# DISEASES OF THE CHEST AUTHOR INDEX

VOLUME 51-JANUARY-JUNE, 1967

Abbett Oder A See Sember Bernstein N	105	Barra Cur I and Cities II II M	
Abbott, Osler A. See Symbas, Panagiotis N. Adam, Alberto. See Morse, Dryden P. Adams, Crawford W. Paroxysmal ventricular	125 74	Bettag, Otto L. and Clifton Hall. Mantoux tuberculin testing; standard method vs. jet injection	530
tachycardia in noncardiac diseases	91	Blanco, Gumersindo. See Morse, Dryden P	-
Varying intensity of the first sound with		Bolton, Barrett H. and Paul H. Guilfoil.	
atrial flutter	437	Roentgenogram of the month	315
Adams, Paul Jr. See Prado, Santiago	412	Borov, Ivan. See Anchev, N.	664
Adams, William E. Current concepts in the		Braunwald, Nina S. See Roberts, William C.	
surgical management of carcinoma of the		Brockner, Kurt. Improved design of a pulse	
lung See Zajtchuk, R.	233 482	duplicator to study natural heart valves	11
Adelman, James U. A review and reappraisal		Buchwald, Henry. The development of the subtotal ileal bypass operation as a	
of emphysema  Alarcon, Donato G. New trends in medical	156	therapeutic approach to	
education imposed by achievements in		hypercholesterolemia and atherosclerosis:	
diagnosis and therapy of respiratory and		a review	459
cardiovascular diseases	213	Carter, Robert. See Strug, L. H.	46
Alinsonorin, Cesar A.		Cassels, Donald E. See Moulder, Peter V.	39
See Rothfeld, Edwin L		Castañeda, Aldo R. and Eugene F. Bernstein.	
Amplatz, Kurt. See Prado, Santiago	412	Importance of low shear rate blood	
Anchev, N., Ivan Popov, Ivan Borov,		viscometry in extracorporeal circulation	487
I. Deskalov and Zorka Krasteva. Some recent developments in Bulgaria	664	Chakravarty, S. C. Bronchopulmonary	
Anderson, Ray C. See Prado, Santiago	412	candidiasis: clinical aspects	608
Anderson, Ray C. See Prado, Santiago Andrews, Neil C., Philip C. Pratt and		Chamberlain, Richard H. and	-
Anthimos J. Christoforidis. Identification		Herman J. Moersch. Editorial: The	
of active pulmonary cavitary disease by		chimera of scatter irradiation in thoracic	
barium bronchogram technique	596	roentgenology	662
Avila, Ramiro. See Villar, T. G.	402	Chapa, G., Ruben. See Guadalajara M., Joel	64
Aydin, K. See Symbas, Panagiotis N.	125	Chavez S., Alfredo. See Guadalajara M., Joel	64
Bailey, Alan H. and John W. Polk. Topical		Cherniack, Neil S., Mark Heymann,	
anesthesia for endoscopy; evaluation of prilocaine (Citanest), a new local		Herbert Neuhaus and Marjorie M. Pyle.	
anesthetic	293	Prognostic value of a reduced maximum	
Ballestero, Rafael J. and Marian G. Goble.		breathing capacity in tuberculosis	22
Kartagener's syndrome in an American		Chesrow, Eugene J. and Julius B. Novak.	
Indian girl	227	Tuberculin testing of the aged	635
Banker, Vincent P. and Frank E. Maddison.		Chiang, S. T. and Harold A. Lyons.	
Superior vena cava syndrome secondary	CEC	Nomograms for use in determining	
to aortic disease Bardos, Phillip G. and Arthur C. Beall.	656	pulmonary compliance and nonelastic	10
Standard nomenclature for prosthetic		resistance	18
heart valves	220	Christoforidis, Anthimos J.	500
Bartley, Thomas D. See Morgan, Anne D.	221	See Andrews, Neil C.	596
Bashour, F. A. and A. E. Jackson. Cardiac arrhythmias in acute myocardial		Chung, Koo-Young and John Thomas. Unusual intermittent right atrial rhythm	317
infarction. I. Complete heart block		Clarkson, M. R. Philosophy of disease	
and its natural history	31	eradication	133
See Gupta, D. N.	248	Cohen, Samuel Clive and Leonard I. Steinfeld.	
E. Jones and R. Edmonson. II. Incidence of common arrhythmias with special		Experience with isoniazid prophylaxis	406
reference to ventricular tachycardia	520	in a large city health department	406
Basinger, Clair E. and Willard A. Fry.		Cohen, Sumner S. and Wen Y. Yue.	
Traumatic rupture of a papillary muscle		Sputum induction by newer inhalation methods in patients with pulmonary	
of the heart	100	tuberculosis	614
Beall, Arthur C. Jr. and Phillip G. Bardos.		Collier, Fred. See Rosenblatt, Milton B.	587
Standard nomenclature for prosthetic			307
heart valves	220	Committee on Bronchoesophagology.  Bronchography	656
Beargie, Robert A. See Shaw, Russell F.	162		050
Belsey, R. and Samuel Sansone. Severe		Committee on Cardiovascular Surgery, Subcommittee on Pacemakers. Basic	
hemorrhage complicating endoscopic		requirements for the manufacture of	
biopsy of bronchial adenoma	208	pacemakers	560
Berard, Constan W. See Roberts, William C.	439	Cosio-Pascal, Miguel and	
Berggren, Ronald B. See Inouye, William Y.	67	Amado Gonzalez-Mendez. Left hilar	
Bernstein, Arthur. See Rothfeld, Edwin L.	193	thymoma	647
Bernstein, Eugene F. and Aldo R. Castañeda.		Costilla S., Antonio. See Guadalajara M., Joel	64
Importance of low shear rate blood		Cudkowicz, Leon. Cardio-respiratory studies	
viscometry in extracorporeal circulation	487	in patients with lung tumors	427

Daicoff, George R. See Moulder, Peter V.	39	Guilfoil, Paul H. and Barrett H. Bolton.	
DeBakey, Michael E.		Roentgenogram of the month	31
See Diethrich, Edward B.	466	Gupta, D. N., M. O. Unal, F. A. Bashour	
DeLauer, Richard D. Systems engineering in		and W. R. Webb. Effects of diphenylhydantoin (Dilantin) on	
aerospace medical research	395	peripheral and coronary circulation and	
Deskalov, I. See Anchev, N.	664	myocardial contractility in the	
Diamond, Seymour and Edwin Feldman.		experimental animal	241
Ethacrynic acid, a non-diabetogenic		Gupta, M. L. See Sethi, J. P.	148
diuretic	282	Gupta, P. D., G. S. Sainani and A. A. Luisada.	
Diethrich, Edward B., John E. Liddicoat,		Comparison between the Valsalva	
H. Edward Garrett and		maneuver and a newly-devised	
Michael E. DeBakey. Considerations in		expiratory valve on splitting of the	000
the use of autogenous venous grafts for	ACC	second heart sound	603
myocardial revascularization	466	Hall, Clifton and Otto L. Bettag. Mantoux	
Dietzman, Ronald H., Edward T. Peter, Yang Wang and Richard C. Lillehei.		tuberculin testing; standard method vs.	530
Mitral insufficiency in Marfan's syndrome	650	Halpern, Morton M. See Sanford, Howard S.	179
Dines, David E. Roentgenogram of the month		Hamouda, F. See Zajtchuk, R.	482
Dooley, Byron N., Richard H. Hood, Jr. and		Heymann, Mark. See Cherniack, Neil S.	22
Paul W. Myers. Cardiac embolization		Holzman, Daniel and Eugene A. Gelzayd.	-
of ventriculo-venous shunts for		ECG changes of hyperkalemia simulating	
hydrocephalus	557	acute myocardial infarction	211
Duke, Martin. Severe pulmonic stenosis in		Hood, Richard H. Jr. See Dooley, Byron N.	557
late adult life	320	Hopeman, Alan R. and Murray Spotnitz.	
Edlich, Richard F. See Moody, David L.		Roentgenogram of the month	645
Edmonson, R. See Bashour, F. A.	520	Husebye, Kjeld O. Serial studies in a case	90*
Elek, Stephen R. and Michael M. Laks.		of pulmonary aspergillosis	327
The effect of potassium on the electrocardiogram: clinical and		Hyatt, Robert E. and N. LeRoy Lapp.  Some factors affecting the relationship	
transmembrane correlations	573	of maximal expiratory flow to lung	
Feldman, Edwin and Seymour Diamond.	3/3	volume in health and disease	475
Ethacrynic acid: a non-diabetogenic		Iida, Y. See Sakakibara, S.	637
diuretic	282	Inouye, William Y., Ronald B. Berggren and	
Fernandez L., Damaso.		Julian Johnson. Spontaneous	
See Guadalajara M., Joel	64	pneumothorax: treatment and mortality	67
Flynn, J. R., N. P. Rossi, R. L. Lawton and		Jackson, A. E. and F. A. Bashour. Cardiac	
R. S. Schacklett. Air embolism following		arrhythmias in acute myocardial	
mediastinoscopy and scalene node biopsy	450	infarction. I. Complete heart block and	0.1
Fouty, Robert. See Smith, Franklin R.	53	its natural history	31
Fry, Willard A. and Basinger, Clair E.		Jensen, N. K. See Sterns, L. P.	205
Traumatic rupture of a papillary muscle	100	Jerome, Ives. In vitro study of alkylating agents against tubercle bacilli	304
of the heart	100	Johnson, Julian. See Inouye, William Y	67
Fuson, Robert L., Donald E. Seim and		Jones, E. See Bashour, F. A.	520
Richard G. Lester. Intrapericardial mesothelioma: interesting radiologic		Kagawa, Yazaru. See Kay, Jerome Harold	537
findings on pneumopericardium	554	Kaplan, Arthur S. Acute myocardial	
Gabriele, Orlando F. See Shapiro, Robert	621	infarction in patients thirty-five years	
Garrett, H. Edward. See Diethrich, Edward B.		of age and under	137
Garrotto, Lewis J. and Arch W. Templeton.		Karageorgis, B. and I. Papanicolis.	
Acquired extracardiac causes of		Some remarks on two personal cases of	100
pulmonary ischemia	166	cardiac echinococcosis	199
Gedgaudas, Eugene. See Moody, David L.	306	Karliner, Joel S. Intravenous diphenylhydantoin sodium (Dilantin)	
Gelzayd, Eugene A. and Daniel Holzman.		in cardiac arrhythmias	256
ECG changes of hyperkalemia simulating		Kasliwal, R. M. See Sethi, J. P.	148
acute myocardial infarction		Katsuhara, K. See Sakakibara, S.	637
Girod, Donald. See Prado, Santiago	412	Kawashima, Yasunaru.	
Goble, Marian G. and Rafael J. Ballestero	227	See Kay, Jerome Harold	537
Goldman, Alfred and Joseph Kuner.		Kay, Jerome Harold, Harold K. Tsuji,	
Prolonged nasotracheal intubation in	270	John V. Redington, Takashi Yamada,	
Gonzalez-Mendez, Amado and	210	Yazaru Kagawa and	
Miguel Cosio-Pascal. Left hilar thymoma	647	Yasunaru Kawashima. The surgical	
Goodman, Neal. "Air bronchiologram" and	011	treatment of Ebstein's malformation with	
the solitary pulmonary nodule	104	right ventricular aneurysmorrhaphy and replacement of the tricuspid valve	
Goodsit, Edward. See Thomas, M. Paul	1	with a disc valve	537
Gould, Lawrence and Alan F. Lyon.		Kerenyi, Imre. See Rajagh, Laszlo	550
Compression of the pulmonary artery		Klinner, W. and R. Zenker. Total correction	
by an aneurysm of the ascending aorta	433	of tetralogy of Fallot	311
Grant, Austin R. See Randolph, Howell		Krasteva, Zorka. See Anchev, N.	664
Guadalajara M., Joel, Damaso Fernandez L.,		Krishnan, K. T. See Subramaniam, R.	545
Antonio Costilla S., Ruben Chapa G.,		Kundahl, Paul C. See Smith, Franklin R.	53
Roberto Villarreal and Alfredo Chavez S.		Kuner, Joseph and Alfred Goldman.	
Pulmonary resection as treatment for	64	Prolonged nasotracheal intubation in	970
coccidioidomycosis of the lung	64	adults vs. tracheostomy	270

Kuzman, William J. Recurrent bacterial		Moulder, Peter V., James J. Rams,	
endocarditis due to Salmonella Newport		George D. Daicoff and Donald E. Cassels.	
and diphtheroid bacillus	654	Surgical treatment of severe pulmonary	0.0
Lacasse, Mary Lou and Victor Lorian.		hypertension	39
N-acetyl-L-cysteine sputum homogenization and its mechanism of		See Zajtchuk, R	482
action on isolation of tubercle bacilli	275	of modern medicine	216
Laks, Michael M. and Stephen R. Elek.	210	Eighty years after the first glimpse of	
The effect of potassium on the		the tubercle bacillus	500
electrocardiogram: clinical and		Myers, Paul W. See Dooley, Byron N.	557
transmembrane correlations	573	Nelson, Donald B. Information management	
Lapp, N. Leroy and Robert E. Hyatt.		for a biomedical research laboratory	200
Some factors affecting the relationship		in space	392
of maximal expiratory flow to lung	475	Nichols, Henry T. See Morse, Dryden P.	69
volume in health and disease	475 450	Nishida, H. See Sakakibara, S. Neuhaus, Herbert. See Cherniack, Neil S.	637
Lawton, R. L. See Flynn, J. R.	46	Niess, O. K. and Blair W. Sparks. Use of the	22
Leon, William. See Strug, L. H. Lester, Richard G. See Fuson, Robert L.	554	orbital space laboratory for research in	
Liddicoat, John E. See Diethrich, Edward B.		biology and medicine	384
Lillehei, Richard C. See Dietzman, Ronald H.		Noehren, Theodore H. and Paul T. Schnatz.	
Lisa, James R. See Rosenblatt, Milton B.	587	Ether clearance as a measure of alveolar	
Lorange, Gilles. Therapeutic bronchography		ventilation: I. A demonstration of	
in the treatment of bronchopulmonary		factors that influence effectiveness of	
tuberculosis	241	IPPB	113
Lorian, Victor and Mary Lou Lacasse.		Novak, Julius B. and Eugene J. Chesrow.	691
N-acetyl-L-cysteine sputum		Padmenahken C Cas Subramaniam P	635
homogenization and its mechanism of action on isolation of tubercle bacilli	275	Padmanabhan, C. See Subramaniam, R. Papanicolis, I. and B. Karageorgis.	545
Luisada, A. A. See Gupta, P. D.	603	Some remarks on two personal cases of	
Lynch, R. E. See Thomas, P. A.	288	cardiac echinococcosis	199
Lyon, Alan F. and Lawrence Gould.		Parsonnet, Victor. See Rothfeld, Edwin L.	193
Compression of the pulmonary artery by			
an aneurysm of the ascending aorta	433	Peter, Edward T. See Dietzman, Ronald H.	650
Lyons, Harold A. and S. T. Chiang.		Pimentel, J. Cortez. See Villar, T. G.	402
Nomograms for use in determining		Polk, John S. and Alan H. Bailey.	
pulmonary compliance and non-elastic	10	Topical anesthesia for endoscopy:	
resistance	18	evaluation of prilocaine (Citanest), a new	293
MacGowan, W. A. L. Removal of the carotid body for asthma	278	local anesthetic	
Madanagopalan, N. See Subramaniam, R.	545	Popov, Ivan. See Anchev, N.	664
Maddison, Frank E. and Vincent P. Banker.	010	Prado, Santiago, Paul Adams, Jr.,	
Superior vena cava syndrome secondary		Kurt Amplatz, Donald Girod and	
to aortic disease	656	Ray C. Anderson. Coexistent atrial and	412
Master, Arthur M. and Isadore Rosenfeld.		ventricular septal defects	
Use of electrocardiography as an		Pratt, Philip C. See Andrews, Neil C.	596
estimation of cardiac function	347	Pyle, Marjorie M. See Cherniack, Neil S	22
Mattioli, Leone, Makoto Takagi and		Raab, David E. Roentgenogram of the month	177
A. N. Moghadam. Intravascular		Rajagh, Laszlo, Imre Kerenyi,	
phonocardiography in clinical and		Janos Meggyeshazy and Akos Vajkoczy.	
experimental peripheral pulmonary artery stenosis	625	Spontaneous pneumothorax of late onset	
Medawar, Simon. See Strug, L. H.	46	after pneumonectomy on the opposite side	
Meggyeshazy, Janos. See Rajagh, L.	550	Rams, James J. See Moulder, Peter V.	39
Melick, Dermont W. See Randolph, Howell	121	Randolph, Howell, Dermont W. Melick and	
Merrigan, E. H. See Thomas, P. A.	288	Austin R. Grant. Perforation of the	
Michaelson, Allan K. See Sanford, Howard S.	172	esophagus from external trauma or	121
Moersch, Herman J. and		blast injuries	
Richard H. Chamberlain. Editorial:		Redington, John V. See Kay, Jerome Harold	
The chimera of scatter irradiation in	662	Riley, Harris D. See Shaw, Russell F.	162
Moghadam, A. N. See Mattioli, Leone	625	Roberts, William C., Constan W. Berard	
Mohiuddin, A. B. Constrictive pericarditis	298	and Nina S. Braunwald. Roentgenogram	400
Monheit, Richard. See Morse, Dryden P.	74	of the month	439
Moody, David L., Richard F. Edlich and	11	Rodriguez Pastor, J. Problems in pulmonary	400
Eugene Gedgaudas. Roentgenologic		tuberculosis	422
identification of pulmonary metastases:		Rosenblatt, Milton, James R. Lisa and	
evaluation of an operatively-proved		Fred Collier. Criteria for the histologic	503
series	306	diagnosis of bronchogenic carcinoma	587
Morgan, Anne D., Thomas D. Bartley and		Rosenfeld, Isadore and Arthur M. Master.	
Edward W. Swenson. Respiratory		Exercise electrocardiography as an	347
impairment following thoracoplasty	221	estimation of cardiac function	34/
Morse, Dryden P., Henry T. Nichols,		Rosenthal, David S. and John G. Weg.	
		Intranulmonary lumph node presenting	
Gumersindo Blanco, Alberto Adam and		Intrapulmonary lymph node presenting	336
Richard Monheit. Comparative study	74	Intrapulmonary lymph node presenting as a solitary pulmonary nodule	336 450

Rothfeld, Edwin L., Arthur Bernstein, Victor Parsonnet, I. Richard Zucker and Cesar A. Alinsonorin. Telemetric monitoring of the ECG in acute	102	Strug, L. H., Stanley Shelby, Robert Carter, William Leon and Simon Medawar. Carcinoma of the lung: review of the five-year survivals over a 15-year period.	46
myocardial infarction  I. Richard Zucker and Cesar A. Alinsonorin, Panconduction	193	Subramaniam, R., N. Madanagopalan, K. T. Krishnan and C. Padmanabhan. A case of anaplastic bronchogenic carcinoma with "downhill varices" of	
myocardopathy	541	the esophagus	545
Sainani, G. S. See Gupta, P. D.	603	Swenson, Edward W. See Morgan, Anne E.	221
Saini, V. K. See Singh, Manjeet Sakakibara, S., K. Katsuhara, Y. Iida and H. Nishida. Pulmonary subvalvular tumor	637	Symbas, Panagiotis N., K. Aydin and Osler A. Abbott. Replacement of cardioesophageal sphincter with the	
Sanford, Howard S., Allan K. Michaelson and Morton M. Halpern. Procainamide induced lupus erythematosus syndrome	172	Takagi, Makoto. See Mattioli, Leone Teculescu, Dan B. and Dan C. Stanescu.	125 625
Sansone, Samuel and R. Belsey. Severe hemorrhage complicating endoscopic biopsy of bronchial adenoma	208	Isolated atrial infarction  Templeton, Arch W. and Lewis J. Garrotto.  Acquired extracardiac causes of	643
Schacklett, R. S. See Flynn, J. R.	450	pulmonary ischemia	166
Schmidt, W. R. See Sterns, L. P.	205	Thomas, John and Koo-Young Chung.	
Schnatz, Paul T. and Theodore H. Noehren. Ether clearance as a measure of alveolar ventilation: 1. Demonstration of factors that influence effectiveness of IPPB		Unusual intermittent right atrial rhythm Thomas, M. Paul, John Storer, Edward Goodsit and Roland Snearly. Pulmonary muscular hyperplasia	317
Segarra, Francis and David S. Sherman. Relapses in pulmonary tuberculosis	59	Thomas, P. A., R. E. Lynch and E. H. Merrigan. Incidence of contralateral pulmonary atelectasis after	
Seim, Donald E. See Fuson, Robert L.	554	thoracotomy; an evaluation of	
Sethi, J. P., M. L. Gupta and R. M. Kasliwal.		preventive aftercare	288
Amebic pulmonary suppuration	148	Tsuji, Harold K. See Kay, Jerome Harold	537
Shapiro, Robert, George Wilson and		Unal, M. O. See Gupta, D. N.	248
Orlando F. Gabriele. The roentgen-ray diagnosis of intrapulmonary lymph nodes	621	Unger, Donald L. and Leon Unger.  Isoetharine methanesulfonate with	
Shaw, Russell F., Robert A. Beargie and Harris D. Riley. An assessment of the tuberculin tine test	162	phenylephrine hydrochloride and thenyldiamine (Bronkometer) in hypertensive and sympathomimetic	
Sherman, David S. and Francis Segarra. Relapses in pulmonary tuberculosis	59	amine-sensitive asthmatic patients.  Unger, Leon and Donald L. Unger.  Isoetharine methanesulfonate with	153
Shelby, Stanley. See Strug, L. H. Shields, Lee H. A case report of mediastinal neurogenic neoplasm containing	46	phenylephrine hydrochloride and thenyldiamine (Bronkometer) in hypertensive and sympathomimetic	153
arteriovenous fistulas  Singh, Manjeet, P. L. Wahi and V. K. Saini.  Chronic obstructive pseudoemphysema	333	Urschel, Harold C. Cardiovascular effects of hydrogen peroxide: current status	180
Smith, Franklin R., Paul C. Kundahl and Robert Fouty. Safety of general	333	Vajkoczy, Akos. See Rajagh, Laszlo	550
anesthesia for bronchoscopy demonstrated		Ramiro Avila. Some aspects of pulmonary	402
by a study of arterial and venous oxygen	50	aspergilloma in Portugal  Villarreal, Roberto. See Guadalajara M., Joel	64
saturation levels	53	Wahi, P. L. See Singh, Manjeet	333
Snearly, Roland. See Thomas, M. Paul	1	Wang, Yang. See Dietzman, Ronald H.	650
Soloviev, G. M. Modern state of cardiovascular surgery in the USSR	560	Webb, W. R. See Gupta, D. N.	248
Sparks, Blair W. and O. K. Niess. Use of the orbital space laboratory for research in	300	Weg, John G. and David S. Rosenthal. Intrapulmonary lymph node presenting	226
biology and medicine	384	as a solitary pulmonary nodule	336
Spotnitz, Murray and Alan R. Hopeman. Roentgenogram of the month	645	Wilson, George. See Shapiro, Robert Yamada, Takashi. See Kay, Jerome Harold	621 537
Stanescu, Dan C. and Dan B. Teculescu.		Youssef, Hassan Hosny. Roentgenogram of	543
Isolated atrial infarction	643	Yue, Wen Y. and Cohen, Sumner S. Sputum	313
Stark, J. E. Allergic pulmonary aspergillosis successfully treated with inhalations		induction by newer inhalation methods in patients with pulmonary tuberculosis	614
of nystatin Steinfeld, Leonard I. and Samuel Clive Cohen.	96	Zajtchuk, R., F. Hamouda, P. V. Moulder and W. E. Adams. Maintenance of the	
Experience with isoniazid prophylaxis in a large city health department	406	circulation in cardiac asystole by the	482
Sterns, L. P., W. R. Schmidt and N. K. Jensen. Traumatic rupture of the	100	mechanical pulsator  Zenker, R. and W. Klinner. Total correction of tetralogy of Fallot	311
right leaf of the diaphragm	205	Zucker, I. Richard.	311
Storer, John. See Thomas, M. Paul	1	See Rothfeld, Edwin L	541

# DISEASES OF THE CHEST SUBJECT INDEX

VOLUME 51-JANUARY-JUNE, 1967

Adenocarcinoma of prostate, metastasizing	015	February: Telemetric monitoring of ECG	100
to lung Adenoma, bronchial, severe hemorrhage Air bronchiologram	315	in acute myocardial infarction	193
Adenoma, bronchial, severe hemorrhage	208	March: Unusual intermittent right	
Air bronchiologram	104	atrial rhythm	317
Amebic pulmonary suppuration	148	April: Varying intensity of the first	400
Aneurysmorrhaphy, right ventricular Anesthetic, topical, for endoscopy	. 337	sound with atrial flutter	43/
Anesthetic, topical, for endoscopy	293	May: Panconduction myocardopathy  June: Isolated atrial infarction	541
Aneurysm of ascending aorta compressing		June: Isolated atrial infarction	043
pulmonary artery	433	Embolism, air, following mediastinoscopy	430
Arrhythmias	0.1	Emphysema, review and reappraisal	156
in acute myocardial infarction	31	Endocarditis, recurrent bacterial	634
cardiac, intravenous Dilantin in	236	Endoscopy, a new local anesthetic for	293
incidence of common type	520	Endoscopy, a new local anesthetic for Esophagus, perforation from external trauma "downhill varices" of	121
Aspergilloma, pulmonary, in Portugal	402	downnill varices of	343
Aspergillosis, allergic pulmonary	90	Ethacrynic acid, study of	282
pulmonary, serial studies in	327	Ether clearance as a measure of alveolar	110
Asthma, removal of carotid bodyAsthmatic patients, drug treatment	2/8		113
Asthmatic patients, drug treatment	133	Exercise electrocardiography as an estimation	0.45
Asystole, cardiac	482	of cardiac function	347
Atelectasis, pulmonary, after thoracotomy	288	Function, pulmonary	10
Atherosclerosis and hypercholesterolemia,	450	nomograms in compliance and resistance	18
operation for	439	reduced maximum breathing capacity	22
Atrial flutter, varying intensity of first	407	in tuberculosis	22
sound with Atrial infarction, isolated Atrial rhythm, right, unusual intermittent	649	relationship of maximal expiratory flow	475
Atrial infarction, isolated	043	to lung volume	4/3
		Hamartomas, multiple pulmonary and	645
Bacterial endocarditis, recurrent	200	pericardial cyst	
Biopsy, endoscopic, severe hemorrhage	450	Heart block, complete, natural history	100
scalene node, air embolism after	430	Heart muscle, papillary, traumatic rupture	11
Bronchogram, barium, for identification of	FOC	Heart valves, pulse duplicator for study of	
active pulmonary cavitary disease	241	Histologic diagnosis of bronchogenic carcinoma	301
Bronchography, therapeutic, in tuberculosis	241	Hydrocephalus, cardiac embolization of	557
Bronchoscopy, safety of general anesthesia	03	ventriculovenous shunts for	
Bulgaria, some recent developments in	600	Hydrogen peroxide, cardiovascular effects of	100
Candidiasis, bronchopulmonary	800	Hypercholesterolemia and atherosclerosis,	459
Carcinoma	40	operation for	211
of lung; review of survivals surgical management, current concepts	90	Hyperkalemia, ECG changes	211
surgical management, current concepts	233	Hypertension, pulmonary, surgery [leal bypass operation, subtotal	450
anaplastic bronchogenic	597	Impaired respiration following thoracoplasty	221
bronchogenic, histologic diagnosis	105	Infanction isolated atrial	643
Cardioesophageal sphincter replacement	123	Infarction, isolated atrial	113
Cardiorespiratory studies in patients with	497	IPPB effectiveness Irradiation, scatter, in thoracic roentgenology	
lung tumors	427	Ischamia pulmonary acquired extracardiac	166
Cardiovascular effects of hydrogen peroxide	561	Ischemia, pulmonary, acquired extracardiac Isoetharine in asthma	153
Cardiovascular surgery in the USSR	270	Isoniazid prophylaxis	406
Carotid body removal for asthma	2/0	Isoniazid prophylaxis	100
Circulation, maintenance by mechanical	499	Kartagener's syndrome in an American	227
pulsator	497	Indian girl	177
extracorporeal	64	Lipoma, bronchial	177
Coccidioidomycosis of lung, resection	543	Lupus erythematosus, procainamide induced	1/2
Cor pulmonale secondary to schistosomiasis	205	Lymph nodes, intrapulmonary, roentgen	
Diaphragm, traumatic rupture of	03	diagnosis	621
Diaphragmatic hernia, traumatic	040	Mantoux tuberculin testing	530
Diphenylhydantoin	240	Marfan's syndrome, mitral insufficiency in	
effects on peripheral and coronary	050		000
circulation in cardiac arrhythmias	256	Maximal expiratory flow relationship to	475
Diuretic, nondiabetogenic	282	lung volume	4/3
Dual dependency of modern medicine	216	Mediastinal neurogenic neoplasm	441
Ebstein's malformation, surgery of	537	Mediastinoscopy, air embolism after	450
Echinococcosis, cardiac	199	Medical education, new trends	213
Editorial: dual dependency of modern		Mesothelioma, intrapericardial	554
medicine	216		334
chimera of scatter irradiation in thoracic		Metastases, pulmonary, roentgenologic	000
roentgenology	662	identification	306
Flastropardiagram effect of notacium on	573	lymphangitic to lung from prostate	315
Electrocardiogram, effect of potassium on	3/3	Mitral insufficiency in Marfan's syndrome	
Electrocardiogram of the month		Myocardial infarction	-
January: Paroxysmal ventricular	01	Acute cardiac aerhythmias in	31

in patients 35 years and under	102	Second heart sound, comparison between	
telemetric monitoring of ECG	211	Valsalva maneuver and newly-devised expiratory valve	60
hyperkalemia simulating, ECG changes in incidence of common arrhythmias		Septal defects, atrial and ventricular	00
Myocardopathy, panconduction			41
N-acetyl-L-cysteine sputum homogenization		Shunts, ventriculo-venous for hydrocephalus	
Nasotracheal intubation, prolonged, vs.		intrapulmonary lymph node presenting as	10 33
tracheostomy		Space medicine	
Nocardiosis, pulmonary	439	use of orbital space laboratory for research	38
Nomograms in determining pulmonary compliance		information management for biomedical research laboratory in space	39
Nystatin in allergic pulmonary aspergillosis		systems engineering in aerospace medical research	20
Pacemakers, comparative study	74	Spontaneous pneumothorax	55
basic requirements for manufacture		Sputum induction by newer inhalation	33
Panconduction myocardopathy		methods	61
Pericardial cyst and multiple pulmonary		Stenosis	
hamartomas	645	severe pulmonary in adult	32
Pericarditis, constrictive	298	peripheral pulmonary artery	32
Philosophy of disease eradication		Subvalvular tumor, pulmonary	
Phonocardiography, intravascular		Suppuration, amebic pulmonary	
Pneumonectomy, spontaneous pneumothorax	000	Tachycardia, paroxysmal ventricular	
late after	550	Telemetric monitoring of ECG	19
Pneumopericardium in intrapericardial	-	Tetralogy of Fallot, total correction	31
mesothelioma	554	Thoracoplasty, respiratory impairment	22
Pneumothorax, spontaneous 67,	550	Thoracotomy, pulmonary atelectasis after	28
Potassium, effect on electrocardiogram		Thymoma, left hilar	
Prilocaine, evaluation		Tracheostomy vs. prolonged nasotracheal	
Procainamide induced lupus erythematosus		intubation	270
Progress in Cardiovascular Surgery	1/2	Trauma	
January: Comparative study of		rupture of papillary muscle of heart	100
pacemakers	74	perforation of esophagus	12
February: Cardiovascular effects of		rupture of right leaf of diaphragm	
hydrogen peroxide: current status	180	Tuberculin testing of the aged	
March: Total correction of tetralogy		Tuberculin tine test	16
of Fallot	311	Tuberculosis	10.
April: Compression of pulmonary artery		reduced maximum breathing capacity	25
by aneurysm of the ascending aorta	433	relapses	
May: Surgical treatment of Ebstein's		therapeutic bronchography as treatment	24
malformation with right ventricular		isolation of bacilli	27
aneurysmorrhaphy and replacement of	E07	in vitro study of alkylating agents	400
the tricuspid valve with a disc valve		against bacilli	304
June: Pulmonary subvalvular tumor		isoniazid prophylaxis in a large city	
Prosthetic heart valves, nomenclature	220	problems in	422
Pseudoemphysema, chronic obstructive	333	eighty years after first glimpse of	744
Pulmonary artery		tubercle bacillus	500
compression by aneurysm of ascending	499	Mantoux testing	530
aorta		identification of active pulmonary	550
stenosis, peripheral		cavitary disease by barium bronchogram.	596
Pulmonary muscular hyperplasia		sputum induction by newer inhalation	550
Pulsator, maintenance of circulation	482	methods.	614
Pulse duplicator for heart valve study	11	tuberculin testing of the aged	635
Resection, pulmonary, for coccidioidomycosis	64	Valve replacement	537
Revascularization, myocardial, autogenous		Vena cava syndrome, superior	656
venous grafts	466	Ventricular tachycardia	520
Roentgenogram of the month		Ventilation, alveolar, measure of	119
January: Traumatic diaphragmatic hernia	93	Viscometry, low shear rate blood, in	***
February: Bronchial lipoma, left main		extracorporeal circulation	487
bronchus	177	Worldwide Chest Medicine	
March: Lymphangitic metastases to lung		February: New trends in medical	
from adenocarcinoma of prostate		education imposed by achievements in	
April: Pulmonary nocardiosis	439	diagnosis and therapy of respiratory	
May: Cor pulmonale secondary to		and cardiovascular diseases	213
schistosomiasis	543	May: Modern state of cardiovascular	
June: Multiple pulmonary hamartomas;	CAR	surgery in the USSR	561
pericardial cyst	643	June: Some recent developments in	
Schistosomiasis, cor pulmonale secondary to	543	Bulgaria	664

# DISEASES of the CHEST



VOLUME 51 JANUARY-JUNE, 1967

# DISEASES of the CHEST

Official Publication of the

## AMERICAN COLLEGE OF CHEST PHYSICIANS

EDITORIAL BOARD

JAY ARTHUR MYERS, Chairman Minneapolis, Minnesota

Andrew L. Banyai Chicago

RICHARD H. OVERHOLT

Boston

Seymour M. Farber San Francisco Leo G. Rigler Los Angeles

ARTHUR M. MASTER
New York
HENRY C. SWEANY
Mount Vernon, Missouri

ASSOCIATE EDITORS

CRAWFORD W. ADAMS
Nashville

JOHN M. ADAMS
Los Angeles

WILLIAM E. ADAMS
Chicago

MILTON W. ANDERSON Rochester, Minn.

Dallas

David P. Boyd

Boston

EDWARD A. BOYDEN
Seattle

ELIOT CORDAY
Beverly Hills, Calif.

Los Angeles

BENJAMIN FELSON Cincinnati

Chicago

PAUL H. HOLINGER Chicago

> ROSS C. KORY Milwaukee

WILLIAM LESTER

WILLIAM LIKOFF Philadelphia

THEODORE H. NOEHREN Buffalo

Chicago

JOSEPH W. PEABODY, JR. Washington, D. C.

Brooklyn, N. Y.

Iowa City

A. R. VALLE Washington, D. C.

### CORRESPONDING ASSOCIATE EDITORS

Donato G. Alarcon, Mexico
Mariano M. Alimurung, Philippines
Jose Ignacio Baldo, Venezuela
Etienne Bernard, France
Gunnar Biorck, Sweden
Ite Boerema, The Netherlands
Dirk Durrer, The Netherlands
Fernando D. Gomez, Uruguay
Jethro Gough, Wales
Robert Hegglin, Switzerland
Joachim Hein, Germany
Alberto Hurtado, Peru
H. W. Knipping, Germany
Maurice Marchal, France
Andre Meyer, France

Papken S. Mugrditchian, Lebanon Antonio Navarrete, Cuba Jo Ono, Japan Hector Orrego Puelma, Chile Juda M. Pauzner, Israel Vittorio Puddu, Italy Shigeru Sakakibara, Japan Demetrio Sodi-Pallares, Mexico F. G. Uglov, USSR Raul F. Vaccarezza, Argentina A. A. Vishnevsky, USSR Raman Viswanathan, India Helge B. Wulff, Sweden Rudolf Zenker, Germany E. J. Zerbini, Brazil

Attilio Omodei Zorini, Italy

EXECUTIVE OFFICE

112 East Chestnut Street, Chicago, Illinois, 60611 U.S.A.

MURRAY KORNFELD, Managing Editor

SYLVIA J. PETERSON, Editorial Assistant

NELLY E. WILLIAMS, Circulation Manager

Copyright, 1967, by the American College of Chest Physicians

# CONTENTS

# Number 1, January, 1967

Pulmonary Muscular Hyperplasia.	1
M. Paul Thomas, John Storer, Edward Goodsit and Roland Snearly, Cleveland.  Improved Design of a Pulse Duplicator to Study the Natural Heart Valves.	
Kurt Brockner, Munich, Germany	. 11
Nomograms for Use in Determining Pulmonary Compliance and Non-elastic Resistance.  S. T. Chiang and Harold A. Lyons, Brooklyn	18
The Prognostic Value of a Reduced Maximum Breathing Capacity in Tuberculosis.  Neil S. Cherniack, Mark Heymann, Herbert Neuhaus and Marjorie M. Pyle, Chicago	22
Cardiac Arrhythmias in Acute Myocardial Infarction. I. Complete Heart Block and Its Natural History. A. E. Jackson and F. A. Bashour, Dallas	31
Surgical Treatment of Severe Pulmonary Hypertension.  Peter V. Moulder, James J. Rams, George R. Daicoff and Donald E. Cassels, Chicago	39
Carcinoma of the Lung: A Review of the Five-year Survivals Over a 15-Year Period.  L. H. Strug, Stanley Shelby, Robert Carter, William Leon and Simon Medawar, New Orleans	46
The Safety of General Anesthesia for Bronchoscopy Demonstrated by a Study of Arterial and Venous Oxygen Saturation Levels.  Franklin R. Smith, Paul C. Kundahl and Robert Fouty, Seattle	53
Relapses in Pulmonary Tuberculosis. Francis Segarra and David S. Sherman, Boston.	59
Pulmonary Resection as Treatment for Coccidioidomycosis of the Lung.  Joel Guadalajara M., Damaso Fernandez L., Antonio Costilla S., Ruben Chapa G.,  Roberto Villarreal and Alfredo Chavez S., Monterrey, Mexico	64
Spontaneous Pneumothorax: Treatment and Mortality.  William Y. Inouye, Ronald B. Berggren and Julian Johnson, Philadelphia	67
Progress in Cardiovascular Surgery: Comparative Study of Pacemakers.  Dryden P. Morse, Henry T. Nichols, Gumersindo Blanco, Alberto Adam and	74
Richard Monheit, Philadelphia  Electrocardiogram of the Month: Paroxysmal Ventricular Tachycardia in Non-cardiac Diseases.	74 91
Crawford W. Adams  Roentgenogram of the Month. David E. Dines, Rochester, Minnesota	93
Case Reports:	33
Allergic Pulmonary Aspergillosis Successfully Treated with Inhalations of Nystatin.  J. E. Stark, London, England	96
Traumatic Rupture of a Papillary Muscle of the Heart.  Willard A. Fry and Clair E. Basinger, Grand Rapids, Michigan	100
The "Air Bronchiologram" and the Solitary Pulmonary Nodule. Neal Goodman, Denver	104
Abstracts from the IX International Congress on Diseases of the Chest	107
Number 2, February, 1967	
Ether Clearance as a Measure of Alveolar Ventilation: I. A Demonstration of Factors that Influence the Effectiveness of Intermittent Positive Pressure Breathing.  Theodore H. Noehren and Paul T. Schnatz, Bu flalo	113
Perforation of the Esophagus from External Trauma or Blast Injuries.  Howell Randolph, Dermont W. Melick and Austin R. Grant, Phoenix	121
Replacement of the Cardioesophageal Sphincter with the Ileocecal Valve.  Panagiotis N. Symbas, K. Aydin and Osler A. Abott, Atlanta	125
Philosophy of Disease Eradication. M. R. Clarkson, Washington, D. C.	133
Acute Myocardial Infarction in Patients Thirty-Five Years of Age and Under.  Arthur S. Kaplan, Norfolk	137
Amebic Pulmonary Suppuration. J. P. Sethi, M. L. Gupta and R. M. Kasliwal, Jaipur, India	148
Isoetharine Methanesulfonate with Phenylephrine Hydrochloride and Thenyldiamine (Bronkometer) in Hypertensive and Sympathomimetic Amine-sensitive Asthmatic Patients.  Donald L. Unger and Leon Unger, Chicago	153
A Review and Reappraisal of Emphysema. James U. Adelman, Chicago.	156
Assessment of the Tuberculin Tine Test. Russell F. Shaw, Robert A. Beargie and Harris D. Riley, Jr., Oklahoma City	162
Acquired Extracardiac Causes of Pulmonary Ischemia.  Arch W. Templeton and Lewis J. Garrotto, Columbia, Missouri	166
Procainamide Induced Lupus Erythematosus Syndrome.  Howard S. Sanford, Allan K. Michaelson and Morton M. Halpern, Miami	172
Roentgenogram of the Month. David E. Raab, Minneapolis	177

Progress in Cardiovascular Surgery: Cardiovascular Effects of Hydrogen Peroxide: Current Status.  Harold C. Urschel, Jr., Dallas	180
Electrocardiogram of the Month: Telemetric Monitoring of the Electrocardiogram in Acute Myocardial Infarction. Edwin L. Rothfeld, Arthur Bernstein, Victor Parsonnet,	
I. Richard Zucker and Cesar A. Alinsonorin, Newark, New Jersey	193
CASE REPORTS:	
Some Remarks on Two Personal Cases of Cardiac Echinococcosis.  B. Karageorgis and I. Papanicolis, Piraeus, Greece	199
Traumatic Rupture of the Right Leaf of the Diaphragm.  L. P. Sterns, W. R. Schmidt and N. K. Jensen, Minneapolis	205
Severe Hemorrhage Complicating Endoscopic Biopsy of Bronchial Adenoma.  Samuel Sansone and R. Belsey, Bristol, England	208
Electrocardiographic Changes of Hyperkalemia Simulating Acute Myocardial Infarction.  Eugene A. Gelzayd and Daniel Holzman, Boston	211
Worldwide Chest Medicine: New Trends in Medical Education Imposed by Achievements in Diagnosis and Therapy of Respiratory and Cardiovascular Diseases.  Donato G. Alarcon, Mexico City, Mexico	213
Editorial: Dual Dependency of Modern Medicine. J. Arthur Myers, Minneapolis	216
Standard Nomenclature for Prosthetic Heart Valves.  Arthur C. Beall, Jr. and Phillip G. Bardos.	220
Respiratory Impairment following Thoracoplasty.	220
Anne D. Morgan, Thomas D. Bartley and Edward W. Swenson, Gainesville, Florida	221
Kartagener's Syndrome in an American Indian Girl.  Rafael J. Ballestero and Marian G. Goble, Rapid City, South Dakota	227
Abstracts from the IX International Congress on Diseases of the Chest	229
The state of the s	
Number 3, March, 1967	
Current Concepts in the Surgical Management of Carcinoma of the Lung. William E. Adams, Chicago	233
Therapeutic Bronchography in the Treatment of Bronchopulmonary Tuberculosis.  Gilles Lorange, Montreal, Quebec, Canada	241
Effects of Diphenylhydantoin (Dilantin) on Peripheral and Coronary Circulation and Myocardial Contractility in the Experimental Animal.  D. N. Gupta, M. O. Unal, F. A. Bashour and W. R. Webb, Dallas	248
Intravenous Diphenylhydantoin Sodium (Dilantin) in Cardiac Arrhythmias.	210
Joel S. Karliner, Bronx, New York	256
Prolonged Nasotracheal Intubation in Adults vs. Tracheostomy.  Joseph Kuner and Alfred Goldman, Los Angeles	270
N-Acetyl-L-Cysteine Sputum Homogenization and Its Mechanism of Action on Isolation of Tubercle Bacilli. Victor Lorian and Mary Lou Lacasse, Boston.	275
Removal of the Carotid Body for Asthma. W. A. L. MacGowan, Dublin, Ireland	278
Ethacrynic Acid: A Non-diabetogenic Diuretic.  Edwin Feldman and Seymour Diamond, Chicago	282
Incidence of Contralateral Pulmonary Atelectasis after Thoracotomy; An Evaluation of Preventive Aftercare. P. A. Thomas, R. E. Lynch and E. H. Merrigan, Phoenixville, Pennsylvania	288
Topical Anesthesia for Endoscopy; Evaluation of Prilocaine (Citanest), a New Local Anesthetic.	202
John W. Polk, Springfield and Alan H. Bailey, Mt. Vernon, Missouri  Constrictive Pericarditis. A. B. Mohiuddin, Iowa City	293 298
In Vitro Study of Alkylating Agents Against Tuberc Bacilli. Yves Jerome, Philadelphia	304
The Roentgenologic Identification of Pulmonary Metastases: Evaluation of An Operatively-Proved Series. David L. Moody, Richard F. Edlich and Eugene Gedgaudas, Minneapolis	306
Progress in Cardiovascular Surgery: Total Correction of Tetralogy of Fallot.  R. Zenker and W. Klinner, Munich, Germany.	311
Roentgenogram of the Month. Barrett H. Bolton and Paul H. Guilfoil, Dayton	315
Electrocardiogram of the Month: Unusual Intermittent Right Atrial Rhythm.  Koo-Young Chung and John Thomas, Nashville	317
CASE REPORTS:	
Severe Pulmonic Stenosis in Late Adult Life Martin Duke, Manchester, Connecticut	320
Serial Studies in a Case of Pulmonary Aspergillosis. Kjeld O. Husebye, St. Paul	
Chronic Obstructive Pseudoemphysema.  Manjeet Singh, P. L. Wahi and V. K. Saini, Chandigarh, India	333
Intrapulmonary Lymph Node Presenting as a Solitary Pulmonary Nodule.	
David S. Rosenthal and John G. Weg, San Antonio	336
Abstracts from the IX International Congress on Diseases of the Chest	338

# Number 4, April, 1967

Exercise Electrocardiography as an Estimation of Cardiac Function.  Arthur M. Master and Isadore Rosenfeld, New York City
Use of the Orbital Space Laboratory for Research in Biology and Medicine.  O. K. Niess, Maj. Gen., USAF, MC (Ret.), Colorado Springs and Blair W. Sparks,  Redondo Beach, California
Information Management for a Biomedical Research Laboratory in Space.  Donald B. Nelson, Redondo Beach, California 392
Systems Engineering in Aerospace Medical Research.
Richard D. DeLauer, Redondo Beach, California 395 Some Aspects of Pulmonary Aspergilloma in Portugal.
T. G. Villar, J. Cortez Pimentel and Ramiro Avila, Lisbon, Portugal. 402  Experience with Isoniazid Prophylaxis in a Large City Health Department.
Leonard I. Steinfeld and Samuel Clive Cohen, Boston 406 Coexistent Atrial and Ventricular Septal Defects. Santiago Prado, Paul Adams, Jr., Kurt Amplatz,
Donald Girod and Ray C. Anderson, Minneapolis 412
Problems in Pulmonary Tuberculosis. J. Rodriguez Pastor, San Juan, Puerto Rico
Cardio-Respiratory Studies in Patients with Lung Tumors.  Leon Cudkowicz, Halifax, Nova Scotia, Canada 427
Progress in Cardiovascular Surgery: Compression of the Pulmonary Artery by an Aneurysm of the Ascending Aorta. Lawrence Gould and Alan F. Lyon, Bronx, New York
Electrocardiogram of the Month: Varying Intensity of the First Sound with Atrial Flutter.  Crawford W. Adams, Nashville
Roentgenogram of the Month.  William C. Roberts, Constan W. Berard and Nina S. Braunwald, Bethesda 439
Case Reports:
A Case Report of Mediastinal Neurogenic Neoplasm Containing Arteriovenous Fistulas.  Lee H. Shields, Harrisburg
Air Embolism following Mediastinoscopy and Scalene Node Biopsy.  J. R. Flynn, N. P. Rossi, R. L. Lawton and R. S. Schacklett, Iowa City
Abstracts from the IX International Congress on Diseases of the Chest
Number 5, May, 1967
RESEARCH FORUM
The Development of the Subtotal Ileal Bypass Operation as a Therapeutic Approach to to Hypercholesterolemia and Atherosclerosis: A Review. Henry Buchwald, Minneapolis 459
Considerations in the Use of Autogenous Venous Grafts for Myocardial Revascularization.  Edward B. Diethrich, John E. Liddicoat, H. Edward Garrett and Michael E. DeBakey, Houston 466
Some Factors Affecting the Relationship of Maximal Expiratory Flow to Lung Volume in Health and Disease. N. LeRoy Lapp and Robert E. Hyatt, Rochester, Minnesota. 475
Maintenance of the Circulation in Cardiac Asystole by the Mechanical Pulsator.  R. Zajtchuk, F. Hamouda, P. V. Moulder and W. E. Adams, Chicago 482
Importance of Low Shear Rate Blood Viscometry in Extracorporeal Circulation.  Eugene F. Bernstein and Aldo R. Castañeda, Minneapolis 487
Eighty Years after the First Glimpse of the Tubercle Bacillus. J. Arthur Myers, Minneapolis 500
Cardiac Arrhythmias in Acute Myocardial Infarction. II. Incidence of Common Arrhythmias with Special Reference to Ventricular Tachycardia.  F. A. Bashour, E. Jones and R. Edmonson, Dallas.  520
Mantoux Tuberculin Testing; Standard Method vs. Jet Injection.  Otto L. Bettag, Glen Ellyn and Clifton Hall, Springfield, Illinois
Progress in Cardiovascular Surgery: The Surgical Treatment of Ebstein's Malformation with Right Ventricular Aneurysmorrhaphy and Replacement of the Tricuspid Valve with a Disc Valve.  Jerome Harold Kay, Harold K. Tsuji, John V. Redington, Takashi Yamada, Yazuru Kagawa and Yasunaru Kawashima, Los Angeles.  537
Electrocardiogram of the Month: Panconduction Myocardopathy.

Roentgenogram of the Month.  Hassan Hosny Youssef, Cairo, U. A. R.	. 543
CASE REPORTS:	
A Case of Anaplastic Bronchogenic Carcinoma with "Downhill Varices" of the Esophagus. R. Subramaniam, N. Madanagopalan, K. T. Krishnan and C. Padmanabhan, Madras, India	2 545
Spontaneous Pneumothorax of Late Onset after Pneumonectomy on the Opposite Side.  Laszlo Rajagh, Imre Kerenyi, Janos Meggyeshazy and Akos Vajkoczy, Budapest, Hungary.	. 550
Intrapericardial Mesothelioma: Interesting Radiologic Findings on Pneumopericardium.  Robert L. Fuson, Donald E. Seim and Richard G. Lester, Durham	. 554
Cardiac Embolization of Ventriculo-Venous Shunts for Hydrocephalus.  Byron N. Dooley, Richard H. Hood, Jr. and Paul W. Myers, Lackland AFB, Texas	560
Basic Requirements for the Manufacture of Pacemakers.  Report of the Subcommittee on Pacemakers, Comittee on Cardiovascular Surgery,  American College of Chest Physicians.	. 560
Worldwide Chest Medicine: Modern State of Cardiovascular Surgery in the USSR.  G. M. Soloviev, Moscow, USSR	561
Abstracts from the IX International Congress on Diseases of the Chest	564
Number 6, June, 1967	
The Effect of Potassium on the Electrocardiogram: Clinical and Transmembrane Correlations.  Michael M. Laks and Stephen R. Elek, Los Angeles	573
Criteria for the Histologic Diagnosis of Bronchogenic Carcinoma.  Milton B. Rosenblatt, James R. Lisa and Fred Collier, New York City.	587
Identification of Active Pulmonary Cavitary Disease by Barium Bronchogram Technique.  Neil C. Andrews, Philip C. Pratt and Anthimos J. Christoforidis, Columbus, Ohio	596
Comparison between the Valsalva Maneuver and a Newly-devised Expiratory Valve on Splitting of the Second Heart Sound.	
P. D. Gupta, G. S. Sainani and A. A. Luisada, Chicago	603
Bronchopulmonary Candidiasis: Clinical Aspect. S. C. Chakravarty, Delhi, India	608
Sputum Induction by Newer Inhalation Methods in Patients with Pulmonary Tuberculosis.  Wen Y. Yue and Sumner S. Cohen, Minnetonka, Minnesota	614
The Roentgen-ray Diagnosis of Intrapulmonary Lymph Nodes.  Robert Shapiro, George Wilson and Orlando F. Gabriele, New Haven	621
Intravascular Phonocardiography in Clinical and Experimental Peripheral Pulmonary Artery Stenosis.  Leone Mattioli, Makoto Takagi and A. N. Moghadam, Philadelphia	625
Tuberculin Testing of the Aged. Eugene J. Chesrow, Oak Forest and Julius B. Novak, Chicago	635
Progress in Cardiovascular Surgery: Pulmonary Subvalvular Tumor. S. Sakakibara, K. Katsuhara, Y. Iida and H. Nishida, Tokyo, Japan	637
Electrocardiogram of the Month: Isolated Atrial Infarction.  Dan C. Stanescu and Dan B. Teculescu, Bucharest, Rumania	643
Roentgenogram of the Month. Murray Spotnitz and Alan R. Hopeman, Denver	
Case Reports: Left Hilar Thymoma.	
Miguel Cosio-Pascal and Amado Gonzalez-Mendez, Mexico City, Mexico  Mitral Insufficiency in Marfan's Syndrome.	
Ronald H. Dietzman, Edward T. Peter, Yang Wang and Richard C. Lillehei, Minneapolis Recurrent Bacterial Endocarditis due to Salmonella Newport and Diphtheroid Bacillus.	
William J. Kuzman, San Diego Superior Vena Cava Syndrome Secondary to Aortic Disease.	654
Vincent P. Banker and Frank E. Maddison, San Francisco	656
Bronchography. Report of the Committee on Bronchoesophagology.  American College of Chest Physicians	663
Editorial: The Chimera of Scatter Irradiation in Thoracic Roentgenology.  Richard H. Chamberlain, Philadelphia, and Herman J. Moersch, Rochester, Minnesota	669
Worldwide Chest Medicine: Some Recent Medical Developments in Bulgaria.  N. Anchev, Ivan Popov, Ivan Borov, I. Deskalov and Zorka Krasteva, Sofia, Bulgaria	671
Abstracts from the IX International Congress on Diseases of the Chest	673
Author Index, Volume 51, January-June, 1967	679
Subject Index, Volume 51, January-June, 1967	683
Contents, Volume 51, January-June, 1967	687

## DISEASES OF THE CHEST AUTHOR INDEX

## VOLUME 52-JULY-DECEMBER, 1967

Abbott, Osler A. Recommended principles relative to use of bronchoscopy and		Benninghoff, David L. See Camiel, Mortimer L.	445
tracheotomy in infants and children		Berger, Maurice and J. Robert Thompson.	106
See Hatcher, Charles R. Jr.		Cavitary carcinomatosis of the lungs	
Abe, Hideichi. See Idezuki, Yasuo		Bernstein, Harold. See Kuner, Joseph	580
Acinapura, A. J., W. C. Sealy, W. G. Young,		Bernstein, William H. See Samet, Philip 315,	
I. W. Brown and J. M. Porter. Results of surgery for isolated ventricular		Bhamarapravati, Natth. See Yipintsoi, Tada	828
septal defects	688	Bishop, F. Marian, A. Sherwood Baker and	
Acosta, V. See Sepulveda, Gonzalo		Henry M. Parrish. Time spent by general practitioners in cardiorespiratory	
Adams, William E. See Fry, Willard A		disease activities	213
Adler, Richard L. A rebreather for prophylaxis		Bjarnason, Olafur. See Thorarinsson, Hjalti	
and treatment of postoperative		Blackwood, James M. and Neil C. Andrews.	
respiratory complications	640	Analysis of recurrent tuberculosis	
Agusti, Regulo and Jerome Liebman.		after resection	767
Ventricular conduction disturbance	0.0	Bogucki, Ryszard and Jan Kwoczynski.	
in normal children	26	Variant form of angina pectoris;	
Ahmad, Akhtar A.	847	sequence of ST-T alterations	399
Roentgenogram of the month	547	Bolooki, Hooshang and Stanley Minkowitz.	
Ahmad, Iftikhar and Lee A. Clark, Jr. Isoniazid hypersensitivity reaction		Evaluation of primary carcinoma of lung and survival rate after curative resection	
involving the eyes	112	in a large city hospital	680
Ahumada, J. See Sepulveda, Gonzalo		Borhani, N. See Winsor, Travis	451
Alexander, Leslie L. See Camiel, Mortimer L.		Boszormenyi, Erno. See Kuner, Joseph	580
Andrews, Neil C., Victor R. VerMeulen and	110	Boucek, Robert J. See Lemberg, Louis	490
Anthimos J. Christoforidis. Injection of		Brancato, Russell. See Bailey, Charles P	
contrast media in postresection pleural		Brantigan, Otto C. Complacency in carcinoma	213
spaces; diagnostic, prognostic and		of the lung	173
therapeutic value	656	Pectus excavatum; simple autogenous	
and James M. Blackwood. Analysis of	202	tissue support to keep sternum elevated	667
recurrent tuberculosis after resection		Bronwell, A. W. See Dalton, Martin L.	97
Anslovar, Joseph. See Ng, Manuel L.		Brown, I. W. See Acinapura, A. J.	688
Archer, Francis A. See Fry, Willard A	720	Brunner, S. Bronchography during infancy	
Arora, Tej Singh and Jasper L. McPhail.	770	and childhood	201
Intrathoracic hydatid disease	112	Buonanno, Carlo. See Gensini, Goffredo G.	125
Assanasen, Charin and Ronald B. George.	85	Bustamante, R. A. See Tsagaris, T. J.	153
Roentgenogram of the month	03	Camiel, Mortimer L., David L. Benninghoff	
Atwell, Sherman W. Major anomalies of the tracheobronchial tree	611	and Leslie L. Alexander. Gynecomastia	
Aventura, Avenilo. See Bailey, Charles P		associated with lung cancer	445
Bailey, Charles P., Teruo Hirose, Avenilo	210	Canto, J. See Mori, M.	44
Aventura, Nozomu Yamamoto, Russell		Carey, L. S. and J. P. Medelman.	
Brancato, Cesar Vera and Robert		Angiocardiography: Assessment of	990
O'Connor. Revascularization of ischemic	0.00	the procedure	338
posterior myocardium		Carr, Philip W., Edward A. Roach and J. Gerard Mudd. Percutaneous	
Baker, A. Sherwood. See Bishop, F. Marian		suprasternal puncture (Radner	
Baker, Thomas J. See Hirschman, Jim C.	186	technique) of left ventricle	676
Balais, Miguel. See Castellanos, Agustin	87	Castellanos, Agustin, Miguel Balais,	
Banyai, Andrew L. Editorial: The fateful		Louis Lemberg, Louis Salhanick and	
challenge of smoking	562	Agustin Castellanos, Jr. Double ectopic	07
Bartley, Thomas D. and Joseph W. Linhart.		left atrial rhythms	87
Left ventricular cineangiography following mitral valve replacement with		Castellanos, Agustin Jr. See Castellanos,	87
the Starr-Edwards ball-valve prosthesis	539	Agustin	-
Bashour, F. A. See Webb, W. R.		See Lemberg, Louis	490
Beall, Arthur C. Jr. and Denton A. Cooley.		Castillo, Cesar A. See Samet, Philip315,	032
Fate of aortic valve homografts	565	Castro Bernardini, Socorro. See Vargas	671
Belletti, Dino. See Gould, Lawrence		Jimenez, Federico	671
Benfield, John R., Robert Coon and Edna M.		Chesney, John G. See Daughtry, DeWitt C.	032
Cree. Current methods in canine		Christoforidis, Anthimos J. See Andrews,	656
pulmonary research, including description	201		
of an improved bronchospirometry tube.	341	Clagett, O. Theron. See Stenseth, John H	W.C.

Clark, Lee A. and Iftikhar Ahmad. Isoniazid		Enescu, Viorica. See Kuner, Joseph	
hypersensitivity reaction involving eyes	112	Exarhos, Nicholas. See Hatcher, Charles R. Jr.	
Cohen, Allan I. Acute myocardial infarction		Eygelaar, A. and J. N. Homan van der Heide.	
revealed by interpolated premature	0.0	Diagnosis and treatment of primary	cos
ventricular contractions	83	malignant costal and sternal tumors	083
Cohen, Robert V. and Rosaline R. Joseph.		Fahmy, A. E. R. See Warraki, S. E.	166
Sarcoidosis: an exercise in differential	450	Falsetti, Herman L. QRS voltage changes	
diagnosis	458	for posterior unipolar chest leads in	545
Collier, Fred. See Rosenblatt, Milton B.	147	patients with left ventricular hypertrophy	343
Committee on Bronchoesophagology.		and Richard A. Willson. QRS voltage	
Recommended principles relative to use		criteria for posterior unipolar chest leads	
of bronchoscopy and tracheotomy in	117	in a normal population	695
infants and children	117	Fernandez, Pedro. See Samet, Philip	652
Committee on Pulmonary Diseases in		Flege, John B. Jr. and Johann L. Ehrenhaft.	
Children. Recommended principles		Transventricular pulmonary valvotomy	
relative to use of bronchoscopy and		and infundibular resection for	707
tracheotomy in infants and children	11/	tetralogy of Fallot	727
Committee on Pulmonary Physiology. Grading		Fletcher, F. W. See Sautter, R. D.	825
of pulmonary function impairment by	070	Foster, John H. and John L. Sawyers.	910
means of pulmonary function tests	270	Surgical treatment of achalasia	310
Coodley, Eugene L. Cryptococcosis—revisited		Freise, G., R. Larios and Y. Takeno.	
Cook, W. A. See Webb, W. R.	602	Cell dissemination and implantation of	
Cooley, Denton A. and Arthur C. Beall, Jr.	ece.	neoplasms through biopsy and excision	405
Fate of aortic valve homografts	201	of malignant tumors	485
Coon, Robert. See Benfield, John R	500	Friesendorff, R. A. See Tsagaris, T. J.	153
Corady, Enot. See Kuner, Joseph	221	Fry, Willard A., Francis A. Archer	
Cree, Eana M. See Benneid, John K.	491	and William E. Adams, Long-term	
Crosby, David J. See Javier, Benita V. Curry, Francis J. Tuberculin skin testing in	701	clinical-pathologic study of the	720
Curry, Francis J. 1 ubercuin skin testing in		pneumonectomy patient	120
San Francisco schools, 1956-1966:	961	Gale, Godfrey L. and Norman C. Delarue.	257
an epidemiologic analysis	361	Leiomyosarcoma of bronchus	231
Dalton, Martin L., Frank C. Goodwin,		Gall, F. P., G. Hegemann, M. W. Kollermann and R. Leutschaft. Surgical treatment	
A. W. Bronwell and Randolph Rutledge.			10
Intrapleural rupture of pulmonary	97	of funnel chest	10
arteriovenous aneurysm		Garzon, Antonio A., Bernard Seltzer,	
Daugherty, Harry K. See Robicsek, Francis	813	Stanley Lichtenstein and Karl E. Karlson.	
Daughtry, DeWitt C., John G. Chesney,		Influence of open-heart surgery on	392
Harold C. Spear, Thomas O. Gentsch		respiratory work	334
and Parry B. Larsen. Unexplained		Gelfand, Maxwell L., Henry Hammer and	
systemic manifestations of malignant	632	Theodore Hevizy. Asymptomatic	782
lung tumors	032	pulmonary atelectasis in drug addicts	102
Davidson, Jere F. J. and Jerome C. Robinson. Profound hypokalemia		Gensini, Goffredo G., Carlo Buonanno and	
	240	Adoracion Palacio. Anatomy of the coronary circulation in living man	125
mimicking subendocardial injuryde Ferrero, Elsa P. A. and	240	Gentsch, Thomas O. See Daughtry,	160
Robert L. Hackney, Jr. Roentgenogram		DeWitt C.	632
of the month	823	George, Ronald B. and Charin Assanasen.	002
Delarue, Norman C. and Godfrey L. Gale.	045	Roentgenogram of the month	85
	257	Gilbert, Enid F. See Marshall, Robert J.	251
	231	Gilliland, Paul F. See Overholt, Edwin L.	553
de Leon, Estrella P. and M. Pardo de Tavera. Tuberculosis of the		Gitlow, Stanley E. See Mendlowitz, Milton	709
lymphatics in children; its relation		Goldberg, Leonard M. and Hugo Uhland.	, 00
to spinal tuberculosis	469	Heart murmurs in pregnancy:	
de Tavera, M. Pardo and de Leon,	100	a phonocardiographic study of their	
Estrella P. Tuberculosis of the		development, progression and regression	381
lymphatics in children; its relation		Goldberg, Neil M. and E. M. Mostyn.	001
	469	Desquamative interstitial pneumonia:	
Dolara, Alberto, Paola Morando and	103	brief review of literature and	
Maurizio Pampaloni. Electrocardiographic		discussion of treatment with oxygen	
findings in 98 consecutive nonpenetrating			245
chest injuries	50	Roentgenogram of the month	397
	828	Goodwin, Frank C. See Dalton, Martin L.	97
Doust, Jalai Yaganeh and Farhad Moatamed.	020	Goslings, W. R. O. Continuous suppressive	01
Petrestment program in pulmonary		antimicrobial treatment in chronic	
Retreatment program in pulmonary tuberculosis with resistant mycobacteria	21	infected bronchitis during winter months	376
Duckler, Lawrence. Roentgenogram		Gould, Lawrence, Dino Belletti and Alan F.	0,0
of the month	693	Lyon. The genesis of the first heart	
of the month  Dutz, W. See Sadrieh, M.	662	sound with varying P-R intervals	817
Ehrenhaft, Johann L. and John B. Flege, Jr.	502	Grace, W. J. See Varriale, Philip	405
Transventricular pulmonary valvotomy		Grassi, Vittorio. See Muiesan, Giulio	
and infundibular resection for		Gray, Frank D. Jr. and Frieda G. Gray.	
	727	Cardiopulmonary consequences	
tetralogy of Fallot		of rheumatic diseases	430
directed branches arising from left		of rheumatic diseases  Gray, Frieda G. and Frank D. Gray, Jr.	
aortic arch	402	Cardiopulmonary consequences	
aortic arch  Ellis, Henry F. Ir. See Sanderson, David R.	508	of rheumatic diseases	430

Green, David and William F. Spence.		Joseph, Rosaline R. and Robert V. Cohen.	
Role of radiotherapy in palliation of	6.7	Sarcoidosis: an exercise in	450
advanced bronchogenic carcinoma		differential diagnosis  Judd, James M. and Kanwal K. Kapur.	458
Grierson, Archibald L. See Thomas, M. Paul. Grismer, J. T. See Mori, M.		Scalene node biopsy in pulmonary diseases	195
Gross, Samuel. See Ng, Manuel L.	788	Jumbala, Bajarisan. See Yipintsoi, Tada	
Guilfoil, Paul H. and Wai-Man Leung.	,	Karlson, Karl E. See Garzon, Antonio A	392
Roentgenogram of the month	243	Kapur, Kanwal K. and James M. Judd.	
Gunnar, Rolf M. See Teng, Cheng Yee	549	Scalene node biopsy in pulmonary diseases	195
Gupta, D. N. See Webb, W. R.	602	Kent, Donald C. Tuberculosis as a military	
Hackney, Robert L. Jr. and Elsa P. A.		epidemic disease and its control by the	
de Ferrero. Roentgenogram of the month	823	Navy tuberculosis control program	588
	481	Kerstein, Morris D. See Lev, Maurice	616
Hallgrimsson, Jonas. See Thorarinsson, Hjalti		Kimoto, Seiji. See Idezuki, Yasuo	621
Hammer, Henry. See Gelfand, Maxwell L.	782	Klugh, George A. and Philip C. Pratt. Chronic	
Harrison, Elliot. Present views on		expiratory air-flow obstruction; cause or	342
application of surgery in treatment of pulmonary tuberculosis	305	effect of centrilobular emphysema?	346
Hatano, Shigeru. See Idezuki, Yasuo		Determination of plasma volume using	
Hatcher, Charles R. Jr., Nicholas Exarhos,	041	Coomassie blue dye as indicator	525
William D. Logan, Jr. and Osler		Kollermann, M. W. See Gall, F. P.	10
A. Abbott. Thymectomy for tumor		Kovarik, Joseph L. Spontaneous right	
	350	chylothorax with middle lobe syndrome	261
and myasthenia gravis  Hechter, H. H. See Winsor, Travis	451	Kuner, Joseph, Viorica Enescu, Fumihiko	
Hegemann, G. See Gall, F. P.	10	Utsu, Erno Boszormenyi, Harold	
Hevizy, Theodore. See Gelfand, Maxwell L	782	Bernstein and Eliot Corday. Cardiac	
Hewitt, Robert L. and John L. Ochsner.		arrhythmias during anesthesia	580
Aortic arch syndrome	60	Kwoczynski, Jan and Ryszard Bogucki.	
(brachiocephalic ischemia)		Variant form of angina pectoris;	399
Hildreth, Eugene A. See Zweiman, Burton	273	sequence of ST-T alterations	399
Hirose, Teruo. See Bailey, Charles P	273	Lajos, Thomas Z. and Charles V.  Meckstroth. Pedunculated leiomyoma	
Arthur F. Schiff. Transoceanic radio		of the lung	114
transmission of electrocardiograms	186	Lam, Conrad R. See Madaras, John S. Jr.	746
Holmes, Thomas W. Jr. Thoracotomy in	100	Larios, R. See Freise, G.	485
patient with dorsal scoliosis	371	Larsen, Parry B. See Daughtry, DeWitt C.	632
Holtzman, Charles F. and Frederick L. Jones.		Lemberg, Louis. See Castellanos, Agustin	87
Evaluation of a new compact spirometer		Robert J. Boucek and Agustin	
for determining vital capacity	478	Castellanos. Digitalis as an indicant	
Homan van der Heide, J. N. and A. Eygelaar.		of ventricular disease	490
Diagnosis and treatment of primary	000	Leon, Alberto P. Research on artificial	
malignant costal and sternal tumors	683	immunization against tuberculosis	405
Hsing, C. T. Chest microfilm vs. direct		with synthetic antigens	495
microscopic sputum examination in	649	Leon, J. See Sepulveda, Gonzalo Leung, Wai-Man and Paul H. Guilfoil.	205
tuberculosis control in developing country Hughes, James T. See Marshall, Robert J		Roentgenogram of the month	243
Ibsen, Bjorn. Treatment of shock with	201	Leutschaft, R. See Gall, F. P.	10
vasodilators measuring skin temperature		Lev, Maurice, Ryozo Okada, Morris D.	
on big toe; ten years' experience		Kerstein, Rosalia Paiva and	
with 150 cases	425	Horacio I. A. Rimoldi, Blood groups and	
Idezuki, Yasuo, Mitsuo Sugiura, Keisuke		congenital heart disease	616
Sakamoto, Hideichi Abe, Tsuyoshi Miura,		Levy, Morris and Jack Salomon.	
Shigeru Hatano and Seiji Kimoto.		Mediastinal aberrant goiter	413
Rationale for transthoracic esophageal	co.	Lichtenstein, Stanley. See Garzon, Antonio A.	392
transection for bleeding varices	621	Liebman, Jerome and Regulo Agusti.	
Illanes, A. See Sepulveda, Gonzalo	205	Ventricular conduction disturbance in	26
Irnell, Lars. Ventilatory effect of		normal children	788
isoprenaline in bronchial asthma in attack-free intervals	35	See Ng, Manuel L.  Lin, Chi-Chung and Szs-Piao Yang.	700
Isitman, Ali T., Heinz J. Lorge and	55	Treatment of paragonimiasis with	
William MacGillivray. Pulmonary		bithionol and bithionol sulfoxide	220
eosinophilic granuloma	264	Linhart, Joseph W. and Thomas D. Bartley.	
Jain, S. N. Uncommon foreign bodies		Left ventricular cineangiography	
in bronchus	411	following mitral valve replacement with	
James, Floyd and Lester Rumble, Jr. Carbon		Starr-Edwards ball-valve prosthesis	539
monoxide diffusing studies in clinical			147
evaluation of chonic lung diseases	387	Lochaya, Somchart. See Rafailzadeh, Morad	101
Javier, Benita V., William J. Yount, David J.		Logan, William D. See Hatcher, Charles R. Jr.	
Crosby and Thomas C. Hall. Cardiac	401	Lorge, Heinz J. See Isitman, Ali T.	264
	481	Luria, Myron H. See Rafailzadeh, Morad	101
Johnson, J. R., S. L. Wakefield and		Lyon, Alan F. See Gould, Lawrence	817
T. L. Turk. Serum proteins in pulmonary tuberculosis	732	MacGillivray, William. See Isitman, Ali T.	264
Jones, Frederick L. and Charles F. Holtzman.		Madaras, John S. Jr., Rodman E. Taber and	
Evaluation of new compact spirometer		Conrad R. Lam. Constrictive pericarditis:	
for determining vital canacity	478	diagnosis and operative management	746

0

Mannila, T. O. and A. Eisalo.		Ng, Manuel L., Jerome Liebman, Joseph	
Reversely directed branches arising from	100	Anslovar and Samuel Gross.	
left aortic arch	402	Cardiovascular findings in children with	700
Marshall, Robert J., James T. Hughes and		sickle cell anemia Ochsner, John L. and Robert L. Hewitt.	788
Enid F. Gilbert. Obstruction of superior vena cava and pulmonary artery		Aortic arch syndrome (brachiocephalic	
by malignant thymoma	251	ischemia)	69
Martin, William Bradley and Georg F. Koch.		O'Connor, Robert. See Bailey, Charles P	
Determination of plasma volume using		Ognibene, Andre J. and William P. Nelson.	
Coomassie blue dye as indicator	525	Atrial myxoma; comments on	
McPhail, Jasper L. and Tej Singh Arora.		hemodynamic alterations	699
Intrathoracic hydatid disease		Okada, Ryozo. See Lev, Maurice	
Meckstroth, Charles V. and Thomas Z. Lajos.		Olsen, Arthur M. See Sanderson, David R	308
Pedunculated leiomyoma of lung	114	Orrego Puelma, H.	835
Medelman, J. P. and L. S. Carey. Angiocardiography: assessment		Ousley, J. L. See Sautter, R. D.	
of the procedure	338	Overholt, Edwin L. and Murray Spotnitz.	040
Mendlowitz, Milton, Nosrat E. Naftchi,		Mucoid impaction of bronchi associated	
John Tuckman, Stanley E. Gitlow and		with aspergillus	92
Robert L. Wolf. Effect of tyramine on		Joel H. Richert and Paul F. Gilliland.	
the digital circulation in normotensive		Idiopathic central hypoventilation	553
and hypertensive subjects	709	Paiva, Rosalia. See Lev, Maurice	616
Milne, D. Mearns. Hiatus hernia and the	579	Palacio, Adoracion. See Gensini, Goffredo G	123
problem of its management	573	Pampaloni, Maurizio. See Dolara, Alberto	
Minchew, B. Harvey. The Food and Drug Administration's certification of		Pappano, Joseph E. Jr. See Zweiman, Burton Parrish, Henry M. See Bishop, F. Marian	
	417	Peralta Roncal, Leonidas. See Vargas	410
Minkowitz, Stanley and Hooshang Bolooki.	***	Jimenez, Federico	671
Evaluation of primary carcinoma of the		Petersen, Gisli, See Thorarinnsson, Hialti	754
lung and survival rate after curative		Phillips, John H. and George A. Robitaille.	
resection in a large city hospital	680	Analysis of the P wave in patients with	
Mishad, M. M. See Warraki, S. E.	166	transient benign atrial fibrillation	806
Miura, Tsuyoshi. See Idezuki, Yasuo	621	Porter, J. M. See Acinapura, A. J.	
Moatamed, Farhad and Jalal Yaganeh Doust.		Prachaubmoh, Kampol. See Yipintsoi, Tada	828
Retreatment program in pulmonary	01	Pratt, Philip C. and George A. Klugh.	
tuberculosis with resistant mycobacteria.	21	Chronic expiratory air-flow	
Monaldi, V. Biologic problems of primary lung cancer.	595	obstruction—cause or effect of centrilobular emphysema?	342
lung cancer  Morando, Paola. See Dolara, Alberto	50	Rafailzadeh, Morad, Myron H. Luria,	314
Mori, M., J. Canto and J. T. Grismer.	30	Somehart Lochaya and Aaron B. Shaffer.	
Mid-maximum flow rate: a simplified		Physiologic studies in a healthy adolescent	
method of measurement of forced		with inverted precordial T waves	101
expiratory volume curve	44	Raggio, R. See Sepulveda, Gonzalo	205
Mori, Shyunichi. Present diagnostic		Richert, Joel H. See Overholt, Edwin L.	
approach to sarcoidosis in Japan	356	Rimoldi, Horacio J. A. See Lev, Maurice	
Morone, Takeshi. See Nakamura, Takashi	518	Rios, E. See Sepulveda, Gonzalo	205
Mostyn, E. M. and Neil M. Goldberg.		Roach, Edward A. See Carr, Philip W.	676
Desquamative interstitial pneumonia:		Robicsek, Francis, Paul W. Sanger, Harry K.	
brief review of literature and		Daugherty and Kamal Y. Sharif. Fatal arrhythmias caused by the pressure	
discussion of treatment with oxygen and corticosteroids	245	of the ball-valve prosthesis upon the	
Motolese, Mario. See Muiesan, Giulio	141		813
Mudd, J. Gerard. See Carr, Philip W.		Robinson, Jerome C. and Jere F. J. Davidson.	
Muhs, Emil O. Serum cholesterol and serum		Profound hypokalemia mimicking	
lipids in patients with far advanced		subendocardial injury	240
active pulmonary tuberculosis on		Robitaille, George A. and John H. Phillips.	
three drugs-preliminary report	159	Analysis of the P wave in patients with	
Muiesan, Giulio, Carlo Augusto Sorrini,		transient benign atrial fibrillation	806
Vittorio Grassi, Eugenio Salinas and		Rosenblatt, Milton B., James R. Lisa and	
Mario Motolese. Statistical evaluation on		Fred Collier. Primary and metastatic	147
action of three different respiratory	141	Rossi, Plinio. See Varriale, Philip	
analeptics on pulmonary ventilation	141	Rumble, Lester and Floyd James. Carbon	103
and bronchogenic carcinoma	800	monoxide diffusing studies in clinical	
Naftchi, Nosrat E. See Mendlowitz, Milton	709	evaluation of chronic lung diseases	387
Nakamura, Takashi, Takao Takizawa and		Russek, Henry I. Role of emotional stress in	
Takeshi Morone. Anatomic changes in		etiology of clinical coronary heart disease	1
lung parenchyma due to aging process	518	Rutledge, Randolph. See Dalton, Martin L.	97
Navabpoor, M. S. See Sadrieh, M.	662	Sadrieh, M., W. Dutz and M. S. Navabpoor.	
Nelson, William P. and Andre J.		Review of 150 cases of hydatid cyst	660
Ognibene. Atrial myxoma: comments		of the lung	
on hemodynamic alterations	699	Sakamoto, Keisuke. See Idezuki, Yasuo	621 87
Nemickas, Rimgaudas. See Teng, Cheng Yee.	549	Salhanick, Louis. See Castellanos, Agustin Salinas, Eugenio. See Muiesan, Giulio	141
Neptune, Wilford B. Dissecting aneurysms		Salomon, Jack and Morris Levy.	
of the thoracic ports	233	Mediastinal aberrant goiter	413

Samet, Philip, Cesar A. Castillo and		Thorarinsson, Hjalti, Jonas Hallgrimsson,	
William H. Bernstein. Variations in		Olafur Bjarnason and Gisli Petersen.	754
cardiac excitability: evidence from P	915	Carcinoma of the lung in Iceland	754 549
Wave synchrony studies	315	Tobin, John R. Jr. See Teng, Cheng Yee Treger, Albert and John T. Sharp. Pulmonary	
Cesar Castillo, William H. Bernstein and Pedro Fernandez. Hemodynamic		artery stenosis in carcinoma of the lung	
results of right atrial pacing in		Tsagaris, T. J., R. A. Bustamante and	
33 normal subjects	652	R. A. Friesendorff. Familial heart disease	153
Sanderson, David R., F. Henry Ellis, Jr.,		Tuckman, John. See Mendlowitz, Milton	
Jerry F. Schlegel and Arthur M. Olsen.		Turk, T. L. See Johnson, J. R.	
Syndrome of vigorous achalasia: clinical		Unal, M. O. See Webb, W. R.	602
and physiologic observations	508	Udwadia, Farokh E. Tropical eosinophilia:	
Sanger, Paul W. See Robicsek, Francis	813	a correlation of clinical, histopathologic	
Sautter, R. D., F. W. Fletcher, J. L. Ousley		and lung function studies	531
and F. J. Wenzel. Extremely rapid	005	Uhland, Hugo and Leonard M. Goldberg.	
resolution of a pulmonary embolus	825	Heart murmurs in pregnancy:	
Sawyers, John L. and John H. Foster.	210	a phonocardiographic study of their development, progression and regression	391
Surgical treatment of achalasia		Utsu, Fumihiko. See Kuner, Joseph	
Schlegel Jerry F. See Sanderson, David R.	186	Vaccarezza, Jorge R. Vaccarezza's test: its use	
Schlegel, Jerry F. See Sanderson, David R. Sealy, W. C. See Acinapura, A. J.	688	in presumptive diagnosis of cancer	715
Seltzer, Bernard. See Garzon, Antonio A	392	Vance, John W. and Edgar L. Surprenant.	
Sepulveda, Gonzalo, E. Rios, J. Leon,		Evaluation of methods for early detection	
A. Illanes, V. Acosta, J. Ahumada		of chronic obstructive ventilatory diseases	760
and R. Raggio. Clinico-pathologic		Vargas Jimenez, Federico, Leonidas Peralta	
correlation in chronic cor pulmonale	205	Roncal and Socorro Castro Bernardini.	
Shaffer, Aaron B. See Rafailzadeh, Morad		Triflupromazine and transtracheal	-
Sharif, Kamal Y. See Robicsek, Francis		anesthesia in bronchology	671
Sharp, John T. and Albert Treger. Pulmonary		Varriale, Philip, Plinio Rossi and	
artery stenosis in carcinoma of the lung.	702	W. J. Grace. Congenital absence of left	405
Shubin, Harry. Editorial: Dissemination		pericardium and complete heart block	405
of knowledge to the physician and public in tuberculosis control	708	Vera, Cesar. See Bailey, Charles P. VerMeulen, Victor R. See Andrews, Neil C	656
Simmons, Earl M. See Winsor, Travis	451	Wakefield, S. L. See Johnson, J. R.	732
Smith, Franklin R. Air embolism as a cause	131	Warraki, S. E., M. M. Mishad,	, ,,
of death in scuba diving in the		H. Youssef and A. E. R. Fahmy.	
Pacific Northwest	15	Subdiaphragmatic infection	166
Sodeman, William A. Bagasse disease of the		Webb, W. R., D. N. Gupta, W. A. Cook, W. L. Sugg, F. A. Bashour and	
lungs-after 25 years	505	W. L. Sugg, F. A. Bashour and	
Sorrini, Carlo Augusto. See Muiesan, Giulio	141	M. O. Unal. Effects of alcohol on	
Spear, Harold C. See Daughtry, DeWitt C	632	myocardial contractility	602
Spence, William F. and David Green.		Wegelius, Carl. Future role of mass chest	000
Role of radiotherapy in palliation of	E **	radiography in general health service	286
advanced bronchogenic carcinoma	57	Welsh, Kenneth S. Intensification of	
Spotnitz, Murray and Edwin L. Overholt.		tuberculosis control through a community-wide approach:	
Mucoid impaction of the bronchi associated with aspergillus	92	Rowan County, Kentucky	438
Stamm, Stanley J. Reliability of capillary	34	Wenzel, F. J. See Sautter, R. D.	825
blood for measurement of pO <sub>2</sub>		Willson, Richard A. and Herman L. Falsetti.	
and O2 saturation	191	QRS voltage criteria for posterior unipolar	
Stenseth, John H., O. Theron Clagett		chest leads in a normal population	695
and Lewis B. Woolner. Hypertrophic		Winsor, Travis, Earl M. Simmons, N. Borhani and H. H. Hechter.	
pulmonary osteoarthropathy	62		
Stonehill, Robert B. Considerations for		A diagnostic aid for determining	
ambulatory cardiopulmonary patient		wolf, Robert L. See Mendlowitz, Milton	451
as concerned with commercial	coc		709
supersonic transportation		Woolner, Lewis B. See Stenseth, John H.	62 273
Storer, John. See Thomas, M. Paul	602	Yamamoto, Nozomu. See Bailey, Charles P	213
Sugg, W. L. See Webb, W. R. Sugiura, Mitsuo. See Idezuki, Yasuo	621	Yang, Sze-Piao and Chi-Chung Lin. Treatment of paragonimiasis with	
Surprenant, Edgar L. and John W. Vance.	021	bithionol and bithionol sulfoxide	220
Evaluation of methods for early detection		Yipintsoi, Tada, Lavan Donavanik, Natth	
of chronic obstructive ventilatory diseases	760	Bhamarapravati, Bajarisan Humbala	
Szanto, Paul B. See Teng, Cheng Yee	549	and Kampol Prachaubmoh. Bilateral	
Taber, Rodman E. See Madaras, John S. Jr.		atrial myxoma with successful removal	828
Takeno, Y. See Freise, G.	485	Young, W. G. Jr. See Acinapura, A. J.	688
Takizawa, Takao. See Nakamura, Takashi	518	Yount, William J. See Javier, Benita V.	481
Teng, Cheng Yee, Rimgaudas Nemickas, John R. Tobin, Paul B. Szanto and		Youssef, H. Hosny. See Warraki, S. E.	166
John R. Tobin, Paul B. Szanto and		Zorini, A. Omodei. Primary carcinomatous	
Rolf M. Gunnar. Pericardial effusion	E 40	cavities of lung: possible role of	
following radiation to the chest	549	neoplastic cell autophagism	329
Thomas, M. Paul, John Storer and			
Archibald L. Grierson. Bilateral giant	291	Zweiman, Burton, Joseph E. Pappano, Jr. and Eugene A. Hildreth. Effect of	
pulmonary air cysts Thompson, J. Robert and Maurice Berger.	401	influenza vaccine administration on	
Cavitary carcinomatosis of lungs	106	tuberculin skin sensitivity	46

## DISEASES OF THE CHEST SUBJECT INDEX

VOLUME 52—JULY-DECEMBER, 1967

Achalasia, surgical treatment	310	complacency	173
syndrome of vigorous		primary (of lung); survival rates	
Aging, changes in lung parenchyma		pulmonary artery stenosis in	702
Air cysts, bilateral giant pulmonary		of lung in Iceland	
Air-flow obstruction, chronic expiratory		bronchogenic, and anthracosilicosis	
Anatomy of coronary circulation		Carcinomatosis, cavitary	
Anesthesia		Carcinomatous cavities, primary	
cardiac arrhythmias during	580	Cardiac excitability variations	
transtracheal, in bronchology	671	Cardiorespiratory problems in general practice	
Aneurysm, pulmonary arteriovenous	97	Chest injuries, ECG findings	
dissecting, of thoracic aorta	233	Chest microfilm vs. direct microscopic	
Angina pectoris, variant form	399	sputum examination in tuberculosis	648
Angiocardiography	338	Cholesterol and lipids in pulmonary	
Anthracosilicosis and bronchogenic carcinoma		tuberculosis	159
Antibiotic drug certification	417	Chondrosarcoma, metastatic	85
Antimicrobial treatment in chronic		Chronic obstructive ventilatory disease	760
infected bronchitis	376	Chronic lung diseases, evaluation	387
Aortic arch		Chylothorax, spontaneous right	261
syndrome	69	Cineangiography, left ventricular	539
left, reversely directed branches from		Circulation, digital, effect of tyramine	709
Aortic valve homografts	565	Congenital absence of left pericardium	
Arrhythmias, cardiac, during anesthesia		Congenital heart disease, blood groups	
fatal, caused by prosthesis		Contrast media injection in postresection	
Arteriosclerosis obliterans, peripheral		pleural spaces	656
Artificial immunization against tuberculosis	495	Contusion, probable pulmonary	398
Aspergillus, mucoid impaction		Cor pulmonale, chronic	205
Asthma, bronchial, isoprenaline in	35	Coronary circulation, anatomy	
Atelectasis, asymptomatic, pulmonary in		Costal and sternal tumors, primary malignant	683
drug addicts		Cryptococcosis	558
Atrial myxoma 699,	828	Digitalis in ventricular disease	
Atrial pacing, right		Drug addicts, asymptomatic pulmonary	
Atrial rhythms, double ectopic left		atelectasis in	782
Autophagism, neoplastic cell		Ectopic left atrial rhythms, double	87
Bagasse disease of lungs		Editorial:	
Bithionol and bithionol S in paragonimiasis	220	The fateful challenge of smoking	562
Blood groups and congenital heart disease	616	Dissemination of knowledge to physician	700
Bronchitis, chronic infected, antimicrobial		and public in tuberculosis control	708
treatment		Chronic bronchitis	835
Editorial		Electrocardiogram of the month: July: Acute myocardial infarction	
Bronchography in infancy and childhood		revealed by interpolated premature	
Broncholithiasis	547	ventricular contractions	83
Bronchology, triflupromazine and	671	August: Profound hypokalemia	
transtracheal anesthesia	0/1	mimicking subendocardial injury	240
Bronchoscopy and tracheotomy in infants and children	117	September: The variant form of angina	
Bronchospirometry tube, improved		pectoris; sequence of ST-T alterations	399
Bronchus, leiomyosarcoma of		October: QRS voltage changes for	
uncommon foreign bodies in		posterior unipolar chest leads in patients with left ventricular hypertrophy	543
9		November: QRS voltage criteria for	313
Cancer, lung, and gynecomastia biologic problems in primary		posterior unipolar chest leads in a	
Vaccarezza's test for diagnosis		normal population	695
Canine pulmonary research		December: Genesis of first heart sound	
Capillary blood oxygen levels		with varying P-R intervals	817
Carbon monoxide diffusing studies		Electrocardiograms, transoceanic transmission	186
Carcinoma, advanced bronchogenic,	307	Electrocardiographic findings in chest injury	50
radiotherapy	57	Embolism, air, in scuba diving	
primary and metastatic		Embolus, pulmonary, rapid resolution	
bronchiolo-alveolar	147	Emotional stress and coronary heart disease	1

Emphysema, centrilobular	342	Pectus excavatum	667
Eosinophilia, tropical		Percutaneous suprasternal puncture of left	
Eosinophilic granuloma, pulmonary	264	ventricle	
Esophageal transection, transthoracic	621	Pericardial effusion following radiation	
Familial heart disease	153	Pericarditis, constrictive	
Fibrillation, benign atrial	806	Pericardium, congenital absence of left	405
First heart sound genesis	817	Phonocardiographic study of heart murmurs	201
Forced expiratory volume curve measurement	44	in pregnancy	381
Function impairment, pulmonary	270	Physiologic studies in healthy adolescent	
Function tests	270	Plasma volume determination	
Funnel chest, surgery	10	Pneumonectomy, long-term study	
General practitioners and cardiorespiratory		Pneumonia, desquamative interstitial	245
disease activities		Postoperative respiratory complications, treatment	640
Goiter, mediastinal aberrant		Postresection pleural spaces, contrast media in	
Granuloma, pulmonary eosinophilic			030
Gynecomastia and lung cancer		Progress in Cardiovascular Surgery:	
Heart block, complete		July: Aortic arch syndrome (brachiocephalic ischemia)	69
Heart disease and emotional stress		August: Dissecting aneurysms of	03
familial		thoracic aorta	233
Heart murmurs in pregnancy		September: Influence of open-heart	
Herniation of small bowel		surgery on respiratory work	392
Hiatus hernia	573	October: Left ventricular	
Homografts, aortic valve	565	cineangiography following mitral valve	
Hydatid cyst of lung, 150 cases		replacement with Starr-Edwards ball-valve prosthesis	539
disease, intrathoracic	772	November: Results of surgery for	333
Hypokalemia, profound		isolated ventricular septal defects	688
Hypoventilation, idiopathic central		December: Fatal arrhythmias caused	
Infection, subdiaphragmatic	166	by pressure of ball-valve upon left	
Influenza vaccine and tuberculin skin	40	ventricular myocardium	
sensitivity	-	Prosthesis, ball-valve	
Intrapleural rupture of aneurysm		QRS voltage changes	
Isoniazid hypersensitivity involving eyes		criteria	695
Isoprenaline in bronchial asthma		Radiography, future role	286
Leiomyoma, pedunculated, of lung		Radiotherapy in advanced bronchogenic	-
Leiomyosarcoma of bronchus		carcinoma	
Leukemia, cardiac metastasis	481	Radner technique	0/0
Lipids and cholesterol in pulmonary tuberculosis	150	Rebreather for postoperative respiratory complications	640
Lipoma of left diaphragm		Resection, survival in primary carcinoma	010
Lung parenchyma changes due to aging		of lung	680
Lymphoma, cardiac metastasis		Infundibular	727
Mediastinal aberrant goiter		Analysis in recurrent tuberculosis	767
Metastasis, cardiac, in lymphoma and	***	Respiratory analeptics, evaluation	
leukemia	481	Respiratory work, influence of open-heart	
Middle lobe syndrome	261	surgery	
Mid-maximum flow rate		Revascularization of posterior myocardium	273
Mucoid impaction of bronchi		Rheumatic disease, cardiopulmonary	
Myasthenia gravis, thymectomy		consequences	430
Mycobacteria, resistant, retreatment program		Roentgenogram of the Month:	
Myocardial contractility, effects of alcohol		July: Metastatic chondrosarcoma	
Myocardial infarction, acute		in right upper lobe with involvement	85
Myocardial revascularization, posterior		of chest wall	83
Myxoma, atrial		August: Traumatic rupture of	243
bilateral atrial		right hemidiaphragm	643
Neoplasms, dissemination and implantation		September: Probable pulmonary contusion	397
Open heart surgery, influence on respiratory		October: Broncholithiasis	547
work	392	November: Lipoma of left diaphragm	693
Osteoarthropathy, hypertrophic pulmonary	62		933
Oxygen levels, reliability of capillary blood		December: Herniation of small bowel through right foramen of Morgagni	823
P wave, synchrony studies		Sarcoidosis, in Japan	
	806	differential diagnosis	458
analysis	220	Scalene node higher	195
Paragonimiasis	440	Scalene node biopsy	200

Scoliosis, thoracotomy	371	Tuberculosis	
Scuba diving, air embolism	15	retreatment program in South Iran	21
Shock, treatment with vasodilators	425	serum cholesterol and serum lipids	159
Sickle cell anemia, cardiovascular findings	788	surgery as treatment	305
Smoking, fateful challenge of (editorial)	562	control through community approach	438
Spirometer, new compact	478	of lymphatics in children	
Sputum examination vs. chest microfilm		artificial immunization	495
in tuberculosis control		as military epidemic, and control	588
Starr-Edwards ball-valve prosthesis	539	microfilm vs. direct sputum examination	648
Stenosis, pulmonary artery, in carcinoma	700	dissemination of knowledge	708
of lung		serum proteins	732
Sternal and costal tumors, primary malignant		recurrent, after resection	
Subdiaphragmatic infection		Tumors, lung, systemic manifestations	632
T waves, inverted precordial		Tyramine effect on digital circulation	709
Tetralogy of Fallot		Uncommon foreign bodies in bronchus	411
Thoracic aorta, dissecting aneurysms of		Vaccarezza's test	715
Thoracotomy for dorsal scoliosis	3/1	Valve replacement, mitral	539
Thymectomy for tumor and myasthenia gravis	350	Valvotomy, transventricular pulmonary	
Thymoma, malignant		Varices, bleeding, surgery	
Tracheobronchial tree, major anomalies		Vasodilator treatment of shock	
Tracheotomy and bronchoscopy in infants		Vena cava, superior, obstruction	
and children	117	Ventilation, pulmonary, evaluation	141
Transoceanic transmission of electrocardiograms	186	Ventricular conduction disturbance in children	26
Traumatic rupture of right hemidiaphragm		Ventricular contractions, premature	83
Triflupromazine in bronchology		Ventricular disease, digitalis in	490
Tuberculin skin sensitivity and influenza		Ventricular hypertrophy, left	543
vaccine administration	45	Ventricular septal defects, results of surgery	688
skin testing in San Francisco schools	361	Vital capacity determination	478

# DISEASES of the CHEST



VOLUME 52 JULY-DECEMBER, 1967

# DISEASES of the CHEST

Official Publication of the

## AMERICAN COLLEGE OF CHEST PHYSICIANS

EDITORIAL BOARD

JAY ARTHUR MYERS, Chairman Minneapolis, Minnesota

CRAWFORD W. ADAMS
Nashville

ARTHUR M. MASTER New York

> Leo G. Rigler Los Angeles

JOHN M. ADAMS
Los Angeles

WILLIAM E. ADAMS
Chicago

MILTON W. ANDERSON Rochester, Minn.

FOUAD BASHOUR

Dallas

Boston

EDWARD A. BOYDEN
Seattle

HOWARD A. BUECHNER
New Orleans

Andrew L. Banyai Chicago

THEODORE H. NOEHREN
Buffalo

HENRY C. SWEANY Shell Knob, Missouri

ASSOCIATE EDITORS

Beverly Hills, Calif.

Los Angeles

BENJAMIN FELSON

Cincinnati
FRANK D. GRAY, JR.

New Haven

Chicago

PAUL H. HOLINGER
Chicago

ROSS C. KORY Milwaukee SEYMOUR M. FARBER San Francisco

RICHARD H. OVERHOLT
Boston

RICHARD L. VARCO Minneapolis

WILLIAM LESTER
Denver

WILLIAM LIKOFF
Philadelphia

OGLESBY PAUL Chicago

JOSEPH W. PEABODY, JR. Washington, D. C.

DAVID M. SPAIN Brooklyn, N. Y.

A. R. VALLE Washington, D. C.

ROBERT F. ZIEGLER
Detroit

### CORRESPONDING ASSOCIATE EDITORS

Donato G. Alarcon, Mexico
Mariano M. Alimurung, Philippines
Jose Ignacio Baldo, Venezuela
Etienne Bernard, France
Gunnar Biorck, Sweden
Ite Boerema, The Netherlands
Dirk Durrer, The Netherlands
O. Garcia-Rosell, Peru
Fernando D. Gomez, Uruguay
Jethro Gough, Wales
Robert Hegglin, Switzerland
Joachim Hein, Germany
Alberto Hurtado, Peru
H. W. Knipping, Germany
Maurice Marchal, France

Papken S. Mugrditchian, Lebanon Antonio Navarrete, Cuba Jo Ono, Japan Hector Orrego Puelma, Chile Juda M. Pauzner, Israel Vittorio Puddu, Italy Shigeru Sakakibara, Japan Demetrio Sodi-Pallares, Mexico F. G. Uglov, USSR Raul F. Vaccarezza, Argentina A. A. Vishnevsky, USSR Raman Viswanathan, India Helge B. Wulff, Sweden Rudolf Zenker, Germany E. J. Zerbini, Brazil Attilio Omodei Zorini, Italy

EXECUTIVE OFFICE

112 East Chestnut Street, Chicago, Illinois, 60611 U.S.A.

MURRAY KORNFELD, Managing Editor SYLVIA J. PETERSON, Editorial Assistant

Andre Meyer, France

JACK C. SMITH, Advertising and Business Manager NELLY E. WILLIAMS, Circulation Manager

Copyright, 1967, by the American College of Chest Physicians

# CONTENTS

# Number 1, July, 1967

Role of Emotional Stress in the Etiology of Clinical Coronary Heart Disease.  Henry I. Russek, Staten Island, New York	
Surgical Treatment of Funnel Chest. F. P. Gall, G. Hegemann, M. W. Kollermann and R. Leutschaft, Erlangen, Germany	. 1
Air Embolism as a Cause of Death in Scuba Diving in the Pacific Northwest.  Franklin R. Smith, Seattle.	. 1
Retreatment Program in Pulmonary Tuberculosis with Resistant Mycobacteria in South of Iran.  Jalal Yaganeh Doust and Farhad Moatamed, Shiraz, Iran	2
Ventricular Conduction Disturbance in Normal Children. Regulo Agusti and Jerome Liebman, Cleveland	20
The Ventilatory Effect of Isoprenaline in Bronchial Asthma in Attack Free Intervals.  Lars Irnell, Uppsala, Sweden.	3
The Mid-maximum Flow Rate: A Simplified Method of Measurement of the Forced Expiratory Volume Curve.  M. Mori, J. Canto and J. T. Grismer, Minneapolis	. 4
Effect of Influenza Vaccine Administration on Tuberculin Skin Sensitivity.  Burton Zweiman, Joseph E. Pappano, Jr. and Eugene A. Hildreth, Philadelphia	40
Electrocardiographic Findings in 98 Consecutive Non-penetrating Chest Injuries.  Alberto Dolara, Paola Morando and Maurizio Pampaloni, Florence, Italy	50
Role of Radiotherapy in the Palliation of Advanced Bronchogenic Carcinoma.  David Green and William F. Spence, San Diego	5
Hypertrophic Pulmonary Osteoarthropathy.  john H. Stenseth, O. Theron Clagett and Lewis B. Woolner, Rochester, Minnesota	62
Progress in Cardiovascular Surgery: Aortic Arch Syndrome (Brachiocephalic Ischemia).  John L. Ochsner and Robert L. Hewitt, New Orleans	69
Electrocardiogram of the Month: Acute Myocardial Infarction Revealed by Interpolated Premature Ventricular Contractions.  Allan I. Cohen, Phoenix	83
Roentgenogram of the Month. Charin Assanasen and Ronald B. George, New Orleans	8
Case reports:	
Double Ectopic Left Atrial Rhythms. Agustin Castellanos, Miguel Balais, Louis Lemberg, Louis Salhanick and Agustin Castellanos, Jr., Miami	87
Mucoid Impaction of the Bronchi Associated with Aspergillus.  Murray Spotnitz and Edwin L. Overholt, Denver	92
Intrapleural Rupture of Pulmonary Arteriovenous aneurysm. Martin L. Dalton, Jr., Frank C. Goodwin, A. W. Bronwell and Randolph Rutledge, Lubbock, Texas	97
Physiologic Studies in a Healthy Adolescent with Inverted Precordial T Waves.  Morad Rafailzadeh, Myron H. Luria, Somchart Lochaya and Aaron B. Shaffer, Chicago	10
Cavitary Carcinomatosis of the Lungs.  Maurice Berger and J. Robert Thompson, Chicago	100
Isoniazid Hypersensitivity Reaction Involving the Eyes.  Iftikhar Ahmad and Lee A. Clark, Jr., Wilson, North Carolina	112
Pedunculated Leiomyoma of the Lung.  Thomas Z. Lajos and Charles V. Meckstroth, Columbus, Ohio	114
Recommended Principles Relative to the Use of Bronchoscopy and Tracheotomy in Infants and Children.  Osler A. Abbott, Atlanta (Joint Report of the Committee on Pulmonary Diseases in Children and Committee on Bronchoesophagology, American College of Chest Physicians)	117

# Number 2, August, 1967

Anatomy of the Coronary Circulation in Living Man.  Goffredo G. Gensini, Carlo Buonanno and Adoracion Palacio, Syracuse, New York	. 125
Statistical Evaluation of the Action of Three Different Respiratory Analeptics on Pulmonary Ventilation. Giulio Muiesan, Carlo Augusto Sorrini, Vittorio Grassi and Eugenio Salinas, Perugia, Italy; and Mario Motolese, Rome, Italy	. 141
Primary and Metastatic Bronchiolo-Alveolar Carcinoma.  Milton B. Rosenblatt, James R. Lisa and Fred Collier, New York City	. 147
Familial Heart Disease. T. J. Tsagaris, R. A. Bustamante and R. A. Friesendorff, Milwaukee	. 153
Serum Cholesterol and Serum Lipids in Patients with Far Advanced Active Pulmonary Tuberculosis on Three Drugs-Preliminary Report. Emil O. Muhs, Livermore, California	. 159
Subdiaphragmatic Infection. S. E. Warraki, M. M. Mishad, H. Hosny Youssef and A. E. R. Fahmy, Cairo, U. A. R.	. 166
Complacency in Carcinoma of the Lung. Otto C. Brantigan, Baltimore	. 173
Transoceanic Radio Transmission of Electrocardiograms.  Jim C. Hirschman, Thomas J. Baker and Arthur F. Schiff, Miami	. 186
Reliability of Capillary Blood for the Measurement of pO <sub>2</sub> and O <sub>2</sub> Saturation.  Stanley J. Stamm, Seattle	. 191
Scalene Node Biopsy in Pulmonary Diseases.  Kanwal K. Kapur and James M. Judd, Mount Morris, New York	. 195
Bronchography during Infancy and Childhood. S. Brunner, Gentofte, Denmark	201
Clinico-Pathologic Correlation in Chronic Cor Pulmonale. Gonzalo Sepulveda, E. Rios, J. Leon, A. Illanes, V. Acosta, J. Ahumada and R. Raggio, Santiago, Chile	205
Time Spent by General Practitioners in Cardiorespiratory Disease Activities.  F. Marian Bishop, A. Sherwood Baker and Henry M. Parrish, Columbia, Missouri	213
Treatment of Paragonimiasis with Bithionol Sulfoxide.  Sze-Piao Yang and Chi-Chung Lin, Taipei, Taiwan	220
Progress in Cardiovascular Surgery: Dissecting Aneurysms of the Thoracic Aorta.  Wilford B. Neptune, Boston	233
Electrocardiogram of the Month: Profound Hypokalemia Mimicking Subendocardial Injury.  Jerome G. Robinson and Jere F. J. Davidson, Phoenix	240
Roentgenogram of the Month. Wai-Man Leung and Paul H. Guilfoil, Dayton	243
Case reports:	
Desquamative Interstitial Pneumonia: A Brief Review of the Literature and a Discussion of Treatment with Oxygen and Corticosteroids.  Neil M. Goldberg and E. M. Mostyn, Albuquerque	245
Obstruction of Superior Vena Cava and Pulmonary Artery by Malignant Thymoma.  Robert J. Marshall, James T. Hughes and Enid F. Gilbert, Morgantown, West Virginia	251
Leiomyosarcoma of the Bronchus.  Godfrey L. Gale and Norman C. Delarue, Weston, Ontario, Canada	257
Spontaneous Right Chylothorax with Middle Lobe Syndrome. Joseph L. Kovarik, Denver	261
Pulmonary Eosinophilic Granuloma.  Ali T. Isitman, Heinz J. Lorge and William MacGillivray, Worcester, Massachusetts	264
Grading of Pulmonary Function Impairment by Means of Pulmonary Function Tests.	270

# Number 3, September, 1967

Revascularization of the Ischemic Posterior Myocardium.  Charles P. Bailey, Teruo Hirose, Avenilo Aventura, Nozomu Yamamoto, Russell Brancato, Cesar Vera and Robert O'Connor, New York City	. 273
The Future Role of Mass Chest Radiography in General Health Service.  Carl Wegelius, Stockholm, Sweden	. 286
Bilateral Giant Pulmonary Air Cysts.  M. Paul Thomas, John Storer and Archibald L. Grierson, Cleveland	. 291
Present Views on the Application of Surgery in the Treatment of Pulmonary Tuberculosis.  Elliott Harrison, Vancouver, Canada	305
Surgical Treatment of Achalasia. John L. Sawyers and John H. Foster, Nashville	310
Variations in Cardiac Excitability: Evidence from P Wave Synchrony Studies.  Philip Samet, Cesar A. Castillo and William H. Bernstein, Miami Beach	315
Current Methods in Canine Pulmonary Research, including Description of an Improved Bronchospirometry Tube. John R. Benfeld, Robert Coon and Edna M. Cree, Madison, Wisconsin	321
Primary Carcinomatous Cavities of the Lung; Possible Role of Neoplastic Cell Autophagism.  A. Omodei Zorini, Rome, Italy	329
Angiocardiography: Assessment of the Procedure. L. S. Carey and J. P. Medelman, St. Paul	338
Chronic Expiratory Air-Flow Obstruction—Cause or Effect of Centrilobular Emphysema?  Philip C. Pratt and George A. Klugh, Columbus, Ohio	342
Thymectomy for Tumor and Myasthenia Gravis.  Charles R. Hatcher, Jr., Nicholas Exarhos, William D. Logan, Jr. and Osler A. Abbott, Atlanta	350
Present Diagnostic Approach to Sarcoidosis in Japan. Shyunichi Mori, Tokyo, Japan	356
Tuberculin Skin Testing in San Francisco Schools, 1956-1966: An Epidemiologic Analysis.  Francis J. Curry, San Francisco	361
Thoracotomy in the Patient with Dorsal Scoliosis. Thomas W. Holmes, Jr., Eldridge, California	371
Continuous Suppressive Antimicrobial Treatment in Chronic Infected Bronchitis during the Winter Months. W. R. O. Goslings, Leiden, The Netherlands	376
Heart Murmurs in Pregnancy: A Phonocardiographic Study of their Development, Progression and Regression. Leonard M. Goldberg and Hugo Uhland, Portland, Oregon	381
Carbon Monoxide Diffusing Studies in the Clinical Evaluation of Chronic Lung Diseases. Floyd James and Lester Rumble, Jr., Atlanta	387
Progress in Cardiovascular Surgery: Influence of Open-Heart Surgery on Respiratory Work.  Antonio A. Garzon, Bernard Seltzer, Stanley Lichtenstein and Karl E. Karlson, Brooklyn	392
Roentgenogram of the Month. Neil M. Goldberg, Albuquerque	397
Electrocardiogram of the Month: The Variant Form of Angina Pectoris; Sequence of ST-T Alterations. Jan Kwoczynski and Ryszard Bogucki, Warsaw, Poland	399
Case reports:	
Reversely Directed Branches Arising from the Left Aortic Arch.  T. O. Mannila and A. Eisalo, Helsinki, Finland	402
Congenital Absence of the Left Pericardium and Complete Heart Block.  Philip Varriale, Plinio Rossi and W. J. Grace, New York City	405
Uncommon Foreign Bodies in Bronchus. S. N. Jain, Kakinada, India	411
Mediastinal Aberrant Goiter. Jack Salomon and Morris Levy, Tel Aviv, Israel	413
The Food and Drug Administration's Certification of Antibiotic Drugs for Human Use.  B. Harvey Minchew, Washington, D. C.	417
Program Houston Interim Clinical Meeting	421

# Number 4, October, 1967

Treatment of Shock with Vasodilators Measuring Skin Temperature on the Big Toe. Ten Years' Experience in 150 Cases. Bjorn Ibsen, Copenhagen, Denmark	42
Cardiopulmonary Consequences of Rheumatic Diseases. Frank D. Gray, Jr. and Frieda G. Gray, New Haven, Connecticut	430
Intensification of Tuberculosis Control through a Community-wide Approach: Rowan County, Kentucky. Kenneth S. Welsh, Lexington	. 431
Gynecomastia Associated with Lung Cancer.  Mortimer L. Camiel, David L. Benninghoff and Leslie L. Alexander, Brooklyn	445
A Diagnostic Aid for Determining Peripheral Arteriosclerosis Obliterans.  Travis Winsor, Earl M. Simmons, N. Borhani and H. H. Hechter, Los Angeles.	451
Sarcoidosis: An Exercise in Differential Diagnosis.  Rosaline R. Joseph and Robert V. Cohen, Philadelphia	458
Tuberculosis of the Lymphatics in Children; Its Relation to Spinal Tuberculosis.  M. Pardo de Tavera and Estrella P. de Leon, Quezon City, Philippines	. 469
Evaluation of a New Compact Spirometer for Determining Vital Capacity.  Frederick L. Jones, Jr., Danville, Pennsylvania; and Charles F. Holtzman, Scott AFB, Illinois	478
Cardiac Metastasis in Lymphoma and Leukemia.  Benita V. Javier, William J. Yount, David J. Crosby and Thomas C. Hall, Boston	481
Cell Dissemination and Implantation of Neoplasms through Biopsy and Excision of Malignant Tumors. G. Friese, R. Larios and Y. Takeno, Berlin, Germany	485
Digitalis as an Indicant of Ventricular Disease.  Louis Lemberg, Robert J. Boucek and Agustin Castellanos, Jr., Miami	490
Research on Artificial Immunization Against Tuberculosis with Synthetic Antigens.  Alberto P. León, Mexico City, Mexico	495
Bagasse Disease of the Lungs-After 25 Years. William A. Sodeman, Philadelphia	505
Syndrome of Vigorous Achalasia: Clinical and Physiologic Observations.  David R. Sanderson, F. Henry Ellis, Jr., Jerry F. Schlegel and Arthur M. Olsen, Rochester, Minn.	508
Anatomic Changes in Lung Parenchyma due to Aging Process.  Takashi Nakamura, Takao Takizawa and Takeshi Morone, Sendai, Japan.	518
Determination of Plasma Volume Using Coomassie Blue Dye as Indicator.  William Bradley Martin and Georg F. Koch, Dayton	525
Tropical Eosinophilia—A Correlation of Clinical, Histopathologic and Lung Function Studies.  Farokh E. Udwadia, Bombay, India	531
Progress in Cardiovascular Surgery: Left Ventricular Cineangiography following Mitral Valve Replacement with the Starr-Edwards Ball-valve Prosthesis.	
Joseph W. Linhart and Thomas D. Bartley, Gainesville, Florida	539
Electrocardiogram of the Month: QRS Voltage Changes for Posterior Unipolar Chest Leads in Patients with Left Ventricular Hypertrophy. Herman L. Falsetti, Buffalo	543
Roentgenogram of the Month. Akhtar A. Ahmad, Birmingham, England	547
Case reports:	
Pericardial Effusion following Radiation to the Chest. Cheng Yee Teng, Rimgaudas Nemickas, John R. Tobin, Jr., Paul B. Szanto and Rolf M. Gunnar, Chicago	549
Idiopathic Central Hypoventilation.  Edwin L. Overholt, Joel H. Richert and Paul F. Gilliland, Washington, D. C.	553
Cryptococcosis-Revisited. Eugene L. Coodley, Bakersfield	558
Editorial: The Fateful Challenge of Smoking. Andrew L. Banyai, Chicago	562

# Number 5, November, 1967

Fate of Aortic Valve Homografts. Arthur C. Beall, Jr. and Denton A. Cooley, Houston	. 565
Hiatus Hernia and the Problem of its Management. D. Mearns Milne, Bristol, England	. 573
Cardiac Arrhythmias during Anesthesia. Joseph Kuner, Viorica Enescu, Fumihiko Utsu, Erno Boszormenyi, Harold Bernstein and Eliot Corday, Los Angeles	. 580
Tuberculosis as a Military Epidemic Disease and its Control by the Navy Tuberculosis Control Program. Donald C. Kent, St. Albans, New York	. 588
Biologic Problems of Primary Lung Cancer. V. Monaldi, Naples, Italy	. 595
Effects of Alcohol on Myocardial Contractility. W. R. Webb, D. N. Gupta, W. A. Cook, W. L. Sugg, F. A. Bashour and M. O. Unal, Dallas	602
Considerations for the Ambulatory Cardiopulmonary Patient as Concerned with Commercial Supersonic Transportation. Robert B. Stonehill, Lackland AFB, Texas	606
Major Anomalies of the Tracheobronchial Tree. Sherman W. Atwell, Boston	611
Blood Groups and Congenital Heart Disease. Maurice Lev, Ryozo Okada, Morris D. Kerstein, Rosalia Paiva and Horacio J. A. Rimoldi, Chicago	616
Rationale for Transthoracic Esophageal Transection for Bleeding Varices.  Yasuo Idezuki, Mitsuo Sugiura, Keisuke Sakamoto, Hideichi Abe, Tsuyoshi Miura, Shigeru Hatano and Seiji Kimoto, Tokyo, Japan	621
Unexplained Systemic Manifestations of Malignant Lung Tumors. DeWitt C. Daughtry, John G. Chesney, Harold C. Spear, Thomas O. Gentsch and Parry B. Larsen, Miami	632
A Rebreather for Prophylaxis and Treatment of Postoperative Respiratory Complications.  Richard H. Adler, Buffalo	640
Chest Microfilm versus Direct Microscopic Sputum Examination in Tuberculosis Control in the Developing Country. C. T. Hsing, Taiwan, Republic of China	648
Hemodynamic Results of Right Atrial Pacing in Thirty-three Normal Subjects.  Philip Samet, Cesar Castillo, William H. Bernstein and Pedro Fernandez, Miami Beach.	652
Injection of Contrast Media in Postresection Pleural Spaces; Diagnostic, Prognostic and Therapeutic Value.  Neil C. Andrews, Victor R. VerMeulen and Anthimos J. Christoforidis, Columbus, Ohio	656
Review of 150 Cases of Hydatid Cyst of the Lung. M. Sadrieh, W. Dutz and M. S. Navabpoor, Shiraz, Iran	662
Pectus Excavatum: Simple Autogenous Tissue Support to Keep Sternum Elevated.  Otto C. Brantigan, Baltimore	667
Triflupromazine and Transtracheal Anesthesia in Bronchology. Federico Vargas Jimenez, Leonidas Peralta Roncal and Socorro Castro Bernardini, Lima, Peru.	671
Percutaneous Suprasternal Puncture (Radner Technique) of the Lest Ventricle.  Philip W. Carr, Edward A. Roach and J. Gerard Mudd, St. Louis	676
Evaluation of Primary Carcinoma of the Lung and Survival Rate after Curative Resection in a Large City Hospital. Hooshang Bolooki and Stanley Minkowitz, Brooklyn	680
Diagnosis and Treatment of Primary Malignant Costal and Sternal Tumors.  A. Eygelaar and J. N. Homan van der Heide, Groningen, The Netherlands	683
Progress in Cardiovascular Surgery: Results of Surgery for Isolated Ventricular Septal Defects.  A. J. Acinapura, W. C. Sealy, W. G. Young, Jr., I. W. Brown and J. M. Porter,  Durham, North Carolina.	688
Roentgenogram of the Month. Lawrence Duckler, Portland, Oregon	693
Electrocardiogram of the Month: QRS Voltage Criteria for Posterior Unipolar Chest Leads in a Normal Population. Herman L. Falsetti and Richard A. Willson, Buffalo	695
Case reports:	
Atrial Myxoma: Comments on Hemodynamic Alterations.  Andre J. Ognibene, Fort Meade, Maryland; and William P. Nelson, Washington, D. C	699
Pulmonary Artery Stenosis in Carcinoma of the Lung.  Albert Treger and John T. Sharp, Hines, Illinois	702
Editorial: Dissemination of Knowledge to the Physician and Public in Tuberculosis Control.  Harry Shubin, Philadelphia	708

# Number 6, December, 1967

The Effect of Tyramine on the Digital Circulation in Normotensive and Hypertensive Subjects.  Milton Mendlowitz, Nosrat E. Naftchi, John Tuckman, Stanley E. Gitlow  and Robert L. Wolf, New York City	. 709
Vaccarezza's Test: Its Use in the Presumptive Diagnosis of Cancer.  Jorge R. Vaccarezza, Buenos Aires, Argentina.	. 715
Long-term Clinical-Pathologic Study of the Pneumonectomy Patient.  Willard A. Fry, Francis A. Archer and William E. Adams, Chicago	. 720
Transventricular Pulmonary Valvotomy and Infundibular Resection for Tetralogy of Fallot.  John B. Flege, Jr. and Johann L. Ehrenhaft, Iowa City	. 727
Serum Proteins in Pulmonary Tuberculosis.  J. R. Johnson, S. L. Wakefield and T. L. Turk, Minneapolis	732
Constrictive Pericarditis: Diagnosis and Operative Management.  John S. Madaras, Jr., Rodman E. Taber and Conrad L. Ram, Detroit	. 746
Carcinoma of the Lung in Iceland. Hjalti Thorarinsson, Jonas Hallgrimsson, Olafur Bjarnason and Gisli Petersen, Reykjavik, Iceland.	754
Evaluation of Methods for the Early Detection of Chronic Obstructive Ventilatory Diseases.  Edgar L. Surprenant and John W. Vance, Buffalo	760
Analysis of Recurrent Tuberculosis after Resection.  James M. Blackwood and Neil C. Andrews, Columbus	767
Intrathoracic Hydatid Disease. Jasper L. McPhail and Tej Singh Arora, Vellore, South India	772
Asymptomatic Pulmonary Atelectasis in Drug Addicts.  Maxwell L. Gelfand, Henry Hammer and Theodore Hevizy, New York City	782
Cardiovascular Findings in Children with Sickle Cell Anemia.  Manuel L. Ng, Jerome Liebman, Joseph Anslovar and Samuel Gross, Cleveland	788
Anthracosilicosis and Bronchogenic Carcinoma. Charles E. Myers, Kingston, Pennsylvania	800
An Analysis of the P Wave in Patients with Transient Benign Atrial Fibrillation.  George A. Robitaille and John H. Phillips, Portsmouth, Virginia	806
Progress in Cardiovascular Surgery: Fatal Arrhythmias Caused by the Pressure of the Ball-Valve Prosthesis Upon the Left Ventricular Myocardium. Francis Robicsek, Paul W. Sanger, Harry K. Daugherty and Kamal Y. Sharif, Charlotte, North Carolina	813
Electrocardiogram of the Month: The Genesis of the First Heart Sound with Varying P-R Intervals  Lawrence Gould, Dino Belletti and Alan F. Lyon, Bronx	817
Roentgenogram of the Month. Robert L. Hackney, Jr. and Elsa P. A. de Ferrero, Washington, D. C.	823
Case reports	
Extremely Rapid Resolution of a Pulmonary Embolus. R. D. Sautter, F. W. Fletcher, J. L. Ousley and F. J. Wenzel, Marshfield, Winsconsin	825
Bilateral Atrial Myxoma with Successful Removal. Tada Yipintsoi, Lavan Donavanik, Natth Bhamarapravati, Bajarisan Jumbala and Kampol Prachaubmoh, Dhonburi, Thailand	828
Editorial: Chronic Bronchitis. H. Orrego Puelma, Santiago, Chile	835
Author Index, Volume 52 (July-December, 1967)	837
Subject Index, Volume 52 (July-December, 1967)	842
Contents, Volume 52 (July-December, 1967)	847

